#### Indapur Taluka Shikshan Prasarak Mandal's

#### ARTS, SCIENCE AND COMMERCE COLLEGE, INDAPUR

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## **Criterion 1 – Curricular Aspects**

# 1.3 QnM Academic Flexibility

11.2.1 Number of Certificate/Value added courses offered and online courses of MOOCs, SWAYAM, NPTEL etc. where the students of the institution have enrolled and successfully completed during the last five years).

# Indapur Taluka Shikshan Prasarak Mandal's

## ARTS, SCIENCE AND COMMERCE COLLEGE, INDAPUR

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# Notice and Outcomes of the Course 2022-23

| Sr. No. | Course Name  | Page No. |
|---------|--|----------|
| 1       | Certificate course in Basic Electronics                  | 1-3      |
| 2       | Value added course in Yoga Education                     | 4-7      |
| 3       | Certificate course in Electric & Electronics Instruments | 8-10     |
| 4       | Essential Electronics                                    | 11-13    |
| 5       | Certificate Course in Astrophysics                       | 14-17    |
| 6       | Certificate Course in Fundamentals of Research           | 18-19    |
| 7       | Milk Sampling and Its Analysis                           | 20-21    |
| 8       | Industrial Skill   | 22-24    |
| 9       | Bird Diversity   | 25-27    |
| 10      | Blood Group Analysis                                     | 28-29    |
| 11      | Plant Propagation Techniques                             | 30-31    |
| 12      | Certificate Course on Mushroom Cultivation               | 32-33    |
| 13      | Wine Production from Pomegranate By yeast                | 34-35    |
| 14      | Isolation of Microorganisms                              | 36-37    |
| 15      | Certificate course in R-Programming                      | 38-39    |
| 16      | Tally Certificate Course                                 | 40       |



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| 17 | MS Office Certificate Course                           | 41-42 |
|----|--|-------|
| 18 | Share Market Certificate Course                        | 43    |
| 19 | Geographical Information System (GIS)                  | 44-46 |
| 20 | Basics of Geography                                    | 47-48 |
| 21 | Certificate Course in Digital Banking                  | 49-50 |
| 22 | Personality Development and Language                   | 51    |
| 23 | Certificate Course on Urdu Lipi                        | 52    |
| 24 | Certificate Course in Translation                      | 53-54 |
| 25 | Spoken English   | 55-57 |
| 26 | Certificate Course in Modi Script                      | 58    |
| 27 | Introduction to Political Journalism                   | 59-60 |
| 28 | For the Country We Happen To Be                        | 61    |
| 29 | We Will Be For The Country                             | 62    |
| 30 | Computer Typing basic course English 30 W.P.M.         | 63-64 |
| 31 | Microsoft Office Automation (word, Excel, Power Point) | 65-66 |

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| Sr. No. | Course Name  | Page No. |
|---------|--|----------|
| 1       | Certificate course in Basic Electronics                  | 67-69    |
| 2       | Value added course in Yoga Education                     | 70-73    |
| 3       | Certificate course in Electric & Electronics Instruments | 74-76    |
| 4       | Milk Sampling and Its Analysis                           | 77-78    |
| 5       | Instrument Handling                                      | 79-81    |
| 6       | Bird Diversity   | 82-84    |
| 7       | Blood Group Analysis                                     | 85-88    |
| 8       | Plant Propagation Techniques                             | 89-90    |
| 9       | Fermentation Process & Product                           | 91-92    |
| 10      | Certificate course in R-Programming                      | 93-94    |
| 11      | Tally Certificate Course                                 | 95       |
| 12      | MS Office Certificate Course                             | 96-97    |
| 13      | Share Market Certificate Course                          | 98-99    |
| 14      | Geographical Information System (GIS)                    | 100-101  |
| 15      | Techniques of Surveying                                  | 102      |
| 16      | Certificate Course in Digital Banking                    | 103-104  |
| 17      | Personality Development and Language                     | 105-106  |
| 18      | Certificate Course on Urdu Lipi                          | 107      |



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| 19 | Certificate Course in Translation                      | 108     |
|----|--|---------|
| 20 | Certificate Course in Modi Script                      | 109     |
| 21 | Introduction to Political Journalism                   | 110-111 |
| 22 | For the Country We Happen To Be                        | 112     |
| 23 | We Will Be For The Country                             | 113     |
| 24 | Computer Typing basic course English 30 W.P.M.         | 114-115 |
| 25 | Microsoft Office Automation (word, Excel, Power Point) | 116-117 |
| 26 | Personality Development                                | 118     |

| Sr. No. | Course Name                       | Page No. |
|---------|-----------------------------------|----------|
| 01      | Certificate Course in Modi Script | 119-121  |

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| Sr. No. | Course Name  | Page No. |
|---------|--|----------|
| 1       | Certificate course in Basic Electronics                  | 122-124  |
| 2       | Value added course in Yoga Education                     | 125-127  |
| 3       | Certificate course in Electric & Electronics Instruments | 128-130  |
| 4       | Milk Sampling and Its Analysis                           | 131-132  |
| 5       | Industrial Skill   | 133-135  |
| 6       | Bird Diversity   | 136-138  |
| 7       | Blood Group Analysis                                     | 139-140  |
| 8       | Plant Propagation Techniques                             | 141-142  |
| 9       | Wine Production from Pomegranate By yeast                | 143-144  |
| 10      | Certificate course in R-Programming                      | 145-146  |
| 11      | MS Office Certificate Course                             | 147-148  |
| 12      | Geographical Information System (GIS)                    | 149-150  |
| 13      | Techniques of Surveying                                  | 151-152  |
| 14      | Certificate Course in Digital Banking                    | 153-154  |
| 15      | Certificate Course on Journalism                         | 155      |
| 16      | Certificate Course on Urdu Lipi                          | 156      |
| 17      | Certificate Course in Translation                        | 157-158  |



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| 18 | Basics of English Grammar                              | 159-160 |
|----|--|---------|
| 19 | Certificate Course in Modi Script                      | 161     |
| 20 | Introduction to Political Journalism                   | 162-163 |
| 21 | We Will Be for The Country                             | 164     |
| 22 | Computer Typing basic course English 30 W.P.M.         | 165-166 |
| 23 | Microsoft Office Automation (word, Excel, Power Point) | 167-168 |

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| Sr. No. | Course Name  | Page No. |
|---------|--|----------|
| 1       | Certificate course in Basic Electronics                  | 171-173  |
| 2       | Value added course in Yoga Education                     | 174-177  |
| 3       | Certificate course in Electric & Electronics Instruments | 178-181  |
| 4       | Certificate Course in Research Methodology               | 182-183  |
| 5       | Milk Sampling and Its Analysis                           | 184-186  |
| 6       | Industrial Skill   | 187-189  |
| 7       | Bird Diversity   | 190-191  |
| 8       | Blood Group Analysis                                     | 192-194  |
| 9       | Plant Propagation Techniques                             | 195-196  |
| 10      | Wine Production from Pomegranate By yeast                | 197-198  |
| 11      | Certificate course in R-Programming                      | 199-200  |
| 12      | Talley Certificate Course                                | 201-203  |
| 13      | Marketing Skills   | 204-205  |
| 14      | Practical Knowledge of Banking Sector                    | 206      |
| 15      | Introduction of GST                                      | 207-208  |
| 16      | Photoshop  | 209-210  |
| 17      | Banking and Finance System                               | 211      |



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| 18 | Geographical Information System (GIS)       | 212-213 |
|----|---|---------|
| 19 | Surveying and Introduction of SOI Toposheet | 214-215 |
| 20 | Agriculture Development Scheme              | 216     |
| 21 | Certificate Course on Journalism            | 217-218 |
| 22 | Certificate Course on Urdu Lipi             | 219     |
| 23 | Certificate Course in Translation           | 220     |
| 24 | Basics of English Grammar                   | 221-223 |
| 25 | Certificate Course in Modi Script           | 224     |

#### Indapur Taluka Shikshan Prasarak Mandal's

## ARTS, COMMERCE AND SCIENCE COLLEGE, INDAPUR

Tal. Indapur, Dist. Pune.



Department of History

CERTIFICATE COURSE IN MODI SCRPT: BROCHUR

Academic Year : २०२२-२३

Course Coordinator

Prof. Vidya Gaikwad

Dr. Jeevan Saravade

ARTS, COMMERCE AND SCIENCE COLLEGE, INDAPUR

Tal. Indapur, Dist. Pune,

Mobile No: 9850097840

Tal. Indapur. Dist Pune

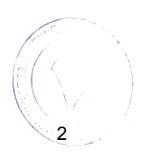
दिनांक: 05/01/2023

## विद्यार्थी सूचना

महाविद्यालयातील बी.ए. पदवीच्या वर्गातील विद्यार्थ्यांना सूचित करण्यात येते की, राज्यशास्त्र विभागाने शैक्षणिक वर्ष 2022-23 मध्ये 'राजकीय पत्रकारितेची ओळख' या विषयावर 2 क्रेडिटचा Value Added Course दिनांक 11/01/2023 ते 21/01/2023 या कालावधीत रूम नं. 27 मध्ये आयोजित केलेला आहे. हा कोर्स या विषयास प्रवेश घेतलेल्या विद्यार्थांसाठी अनिवार्य (Compulsary) आहे. सदर कोर्सला अनुपस्थित राहिल्यास होणाऱ्या नुकसानीस सर्वस्वी विद्यार्थी जबाबदार राहील याची विद्यार्थांनी नोंद घ्यावी.

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ARTS, SCIENCE & COLLEGE,
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ARTS, SCIENCE AND COMMERCE COLLEGE INDAPUR-413106 DIST-PUNE



# Indapur Taluka Shikshan Prasarak Mandal`s,

# Arts, Science & Commerce College Indapur

#### **Department of Political Science**

# Value Added Course Name: "Introduction to Political Journalism" Syllabus

#### **Objectives:**

This Value Added course is designed to acquaint students with the -

- 1. Complex relationship between the communication, media and power politics.
- 2. To Introduce Print, Electronic and Web media.
- 3. Maharashtra context of political Journalism

#### Unit 1: An introduction to Political Journalism

- a) Definition and Meaning
- b) Scope of Political Journalism
- c) Value of Ideal Journalism

### Unit 2: Agencies / Medium of Political Journalism

- a) Print Media
- b) Electronic Media
- c) Web Media

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ARTS, SCIENCE AND
COMMERCE COLLEGE
INDAPUR-413106 DIST-PUNE

दिनांक: 07/05/2023

#### विद्यार्थी सूचना

महाविद्यालयातील राज्यशास्त्र विभागातील टी.वाय.बी.ए. वर्गातील सर्व विद्यार्थ्यांना सूचित करण्यात येते की, राज्यशास्त्र विभागाने शैक्षणिक वर्ष 2022-23 मध्ये ' आम्ही घडू देशासाठी 'या विषयावर 4 क्रेडिटचा प्रमाणपत्र कोर्स दिनांक 09/05/2023 ते 18/05/2023 या कालावधीत आयोजित केलेला आहे. हा कोर्स टी.वाय.बी.ए.या वर्गातील विद्यार्थ्यांसाठी अनिवार्य (Compulsary) आहे. तरी सर्वांनी उपस्थित राहणे अनिवार्य आहे. सदर कोर्सला अनुपस्थित राहिल्यास होणाऱ्या नुकसानीस सर्वस्वी जबाबदार राहील याची विद्यार्थ्यांनी नोंद घ्यावी.

प्रा. गणेश मोरे

कोर्से समन्वयक

डॉ. दिगंबर बिरादार

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INDAPUR, TALINDAPUR DIST-PUNE

कला,विज्ञान आणि वाणिज्य महाबिद्यालय,इंदापूर,जि.पुणे



दिनांक: 10/02/2023

#### विद्यार्थी सूचना

महाविद्यालयातील बी.ए., बी.कॉम., बी.एस्सी.पदवीच्या वर्गातील विद्यार्थ्यांना सूचित करण्यात येते की, राज्यशास्त्र विभागाने शैक्षणिक वर्ष 2022-23 मध्ये ' आम्ही घडू देशासाठी 'या विषयावर 2 क्रेडिटचा Value Added Course दिनांक 13/02/2023 ते 24/02/2023 या कालावधीत आयोजित केलेला आहे. हा कोर्स या विषयास प्रवेश घेतलेल्या विद्यार्थ्यांसाठी अनिवार्य (Compulsary) आहे. सदर कोर्सला अनुपस्थित राहिल्यास होणाऱ्या नुकसानीस सर्वस्वी विद्यार्थी जबाबदार राहील याची विद्यार्थ्यांनी नोंद घ्यावी.

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INDAPUR, TAL. INDAPUR DIST-PUNE

PARTS, SOUTH ARTS, SOUTH ARTS,

#### Indapur Taluka Shikshan Prasarak Mandal's Arts, Science and Commerce College Indapur Dist: Pune Department of BBA (CA)

#### Certificate in Computer Typing Basic Course English 30 w.p.m. (Academic Year 2019-20 to 2023-24) **Syllabus**

#### \*Objective:

- To provide typing skills.
- To introduce the student's shorthand typing.
- To merge Typing and latest Computer course so that student can work in highly competitive world.
- To design the course and exam in such way that student will get deep understanding on typing and latest computer software's and technology which has been using in government and private organization.

#### Course Outcomes

- Help the students improve their typing skills
- Help the students learn to take dictations and notes using short-hand.

#### ❖ Syllabus:

Basic course is designed to cover latest technology and software in the market which will help student to work in any environment.

The proposed course designed such that the basic subjects of computer are covered precisely. In the proposed course entire MS-OFFICE 2010 has covered in detail. This course has detail practical session which will increase the confidence of the student. The syllabus of this course as follows.

No. of Credits: 2

No. of Lecture/ Practical: 10

Basic Course in Computer Typing English 30 w.p.m. 1.0 Typing syllabus Duration Marks Passing Marks 1.1 Keyboard Awareness Like Typewriter 1.1.1 Practice of Typing Words Drill for 30 W.P.M. 07 Marks

| Total  | 10 Days | 50 Marks | 25 Marks |
|--|---------|----------|----------|
| Total (1.2+1.3+1.4)  | -       | 30 Marks |          |
| 1.4 E-Mail / Fax Etiquettes  | 1 Days  | 05 Marks |          |
| 1.3 Statement / Mark Sheet Setting And Practice  |         | 10 Marks | 15 Marks |
| 1.2 Letter /Curriculum Vitae /StatementPage and Type Setting & Practice  | 4 Days  | 15 Marks |          |
| Total (1.1.1+1.1.2+1.1.3)  | -       | 20 Marks |          |
| 1.1.3 Passage Typing Practice For 30 W.P.M. Speed  |         | 06 Marks |          |
| 1.1.2 Sentence Writing /Typing PracticeFor 30 W.P.M.   | 5 Days  | 07 Marks | 10 Marks |
| The state of the s |         | U/ Walks |          |

# Arts, Science And Commerce College, Indapur Department Of BBA(CA)

#### **Notice for Student**

Date-05/02/2023

All the Students of SYBBA(CA) & TYBBA(CA) who registered their names to 'Certificate in Computer Typing Basic Course English 30 w.p.m.' are hereby informed that their lectures will be started on 10/02/2023 in Room No. 87 at 1 pm to 2 pm & Preaticals started on 10/02/2023 in Room No.42(Computer Lab) at 02 pm to 03 pm. It is compulsory to attain the lectures of value added course for getting desired credit.

1

Add-on Incharge

ARTS, SCIENCE AND COMMERCE COLLEGE INDAPUR-413106 DIST-PUNE

# Indapur Taluka Shikshan Prasarak Mandal's Arts, Science and Commerce College Indapur Dist: Pune

Department of BBA (CA)

# Certificate in Microsoft Office Automation (Word, Excel, PowerPoint) (Academic Year 2019-20 to 2023-24) Syllabus

#### \* Objective:

- This application provides all knowledge in MS-office that is useful in any organization and Institute.
- To design the course and exam in such way that student will get deep understanding on MS OFFICE and latest computer software's and technology which has been using in government and private organization.

#### Course Outcomes

- This is commonly utilization in any business or organization and thus maintain the demand for professional level and provide font end office job with high paying.
- Help the students improve their knowledge.
- Help the students learn to take dictations and notes using short-hand.

#### **❖** Course Contents-

- o MS-Excel,
- o MS-Word,
- o MS- PowerPoint,
- o MS-Access Skill

#### \* Methodologies-

- Descriptive Method (Theory)
- Experimental (Practical)
- Evaluation:
- Test on each Topic
- Practical Test
- Final Exam

No. of Credits: 2

No. of Lecture/ Practical: 10

each.

#### Arts, Science And Commerce College, Indapur

#### Department Of BBA(CA)

#### Notice for Student

Date-20/02/2023

All the Students of FYBBA(CA) who registered their names to 'Certificate in Microsoft Office Automation (Word, Excel, PowerPoint)' are hereby informed that their lectures will be started on 06/03/2023 in Room No. 87 at 1 pm to 2 pm & Preaticals started on 06/03/2023 in Room No.42(Computer Lab) at 02 pm to 03 pm. It is compulsory to attain the lectures of value added course for getting desired credit.

Add-on Incharge

Principal
PRINCIPAL
ARTS, SCIENCE AND
COMMERCE COLLEGE

# Indapr Taluka Shikshan prasarak mandals Arts, Science and Commerce College Indapur dist. Pune Department of Physics Certificate Course in Basic Electronic Syllabus From Academic Year 2018-19

40L

#### **Course Objective**

- To make Students learn concepts of Electronis.
- To provide sufficient fundamental knowledge to pursue advanced topic.

**Course outcome:** After successful completion of course, student will be able to analyse and design electronic circuit.

#### Unit 1: Introduction to passive compoents

10L

Resistors- colour code, classification, series and parallel combination.

**Capacitor**- Classification, colour code, number code, series and parallel combination.

**Inductors**- Classification, colour code, series and parallel combination. Circuit based on RLC- contruction

#### 2.Introduction to active Compoents

10L

Transistor- terminal identification, classification, circuit based on transistor-construction

#### 3. Electronic Devices

101.

#### Arts, Science And Commerce College , Indapur

#### **Department Of Physics**

#### **Notice for Student**

Date-25/08/2022

All the Student who registered their names to 'Certificate Course in Basic Electronic' are hereby informed that their lectures will be started on Thursday, 02/09/2022 in Room No. 78 at 1 pm to 2 pm. It is compulsory to attend the lectures of value added course for getting desired credit.

HOD

Head
Department of Physics
Arts, Science & Commerce
College In the Commerce

#### Arts, Science And Commerce College , Indapur

#### **Department Of Physics**

#### **Notice for Student**

Date-25/08/2022

All the Student who registered their names to 'Certificate Course in Basic Electronic' are hereby informed that their Practical's will be started on Saturday, 03/09/2022 in Room No.59 at 1 pm to 5 pm. It is compulsory to attend the Practical's of value added course for getting desired credit.

HOD

Department of Physics Arts, Science & Commerce College, Indapur, Dist. Pune

# Arts, science & Commerce College, Indapur

## Value added course (2022-23)

## Title - 'Yoga Education'

ITSPM's Arts, Science & Commerce College, Indapur is committed to create an environment where students feel empowered to improve upon their learning behavior for which mere academic inputs is not enough. Going beyond it, they are provided with the training that contributes in their capacity building by motivating them to train their inner self, through emotional management, Self-understanding and positive thinking. Yoga training can help students to strengthen their potentials.

Our Institution conducts a value added course in Yoga programme for students in view with making them conscious of the importance of physical and mental wellbeing.

#### Course Objective

- Students can acquire knowledge and skills which will help them in developing Physical, Mental, Social and Spiritual health.
- Develop Values that will enhance the personality of the students.
- Develop Emotional Stability.
- The Course enables the future development of the students in order to achieve Occupational Wellness.

• Develop Fitness Conscious Environment in the Campus.

<u>Program Outcomes</u>

At the end of the course, the student will be able to:

POI Focus on goals and move away from negativity.

PO2 Explain dimensions of wellness which helps in pursuing their goals.

PO3 Demonstrate the practices that can promote wellness.

PO<sub>4</sub> Plan and follow a daily routine that includes Warm-up, Yogasanas,

Pranayam and Meditation.

PO5 Demonstrate behaviours aligned to universal Human Values.

- Defore commencing with the yoga training, students will undergo pre-test where their knowledge or awareness about yoga is checked. On the basis of the outcomes of the pre-test, the programme is designed or modified to make it mode need based for trainee students.
- ➤ The modified version of the Training package is then implemented. Theory lectures & practical demonstration on yoga will be conducted by Art of Living Faculty Mr. Viresh Holkunde in collaboration with our College Gymkhana Department.

- > The content of the course include theory as well as practical demonstrations and practice of different types of pranayama and Yogasans.
- ➤ A Complete package of 40 hours training programme (Each session 2 hrs.) in a span of 3 months is designed in collaboration with the well-known ART OF LIVING Yoga Experts with the help of Volunteers.
- ➤ It includes understanding of the concept of Yoga, theoretical and scientific basis for the Yogasans and Pranayams.

  These sessions will be conducted by the trained yoga teachers.
- > Students will be awarded with the course completion certificate endorsed by Yoga Trainers & A.S. C. College, Indapur.

#### **SYLLABUS**

#### Value added course in 'Yoga Education'

| 1. Introduction to Yoga.                | 5 Hrs.  |
|---|---------|
| 2. Practical demonstration of Pranayama | 5 Hrs.  |
| 3. Practicing Pranayama                 | 10 Hrs. |
| 4. Practical demonstration of Asanas    | 5 Hrs.  |
| 5. Practicing Asanas                    | 10 Hrs. |
| 6. Meditation                           | 5 Hrs.  |

\_\_\_\_\_\_

Total:

40 Hrs.

Course Teacher

V. C. Holkunde

Principal

PRINCIPAL ARTS, SCIENCE A

COMMERCE COLLEGE INDAPUR-413108 DIST-PUNE

#### ITSPM's

Arts, Science And Commerce College, Indapur

### STUDENT NOTICE

(Certificate Course in YOGA EDUCATION)

Date- 28/ 08/ 2022

All the Students who have registered their names for 'Certificate Course in YOGA EDUCATION' are hereby informed that, their Yoga Sessions will begin on Thursday, 02/09/2022

It is compulsory to attend the sessions of value added course for getting desired credit.

Venue: Room No. 66

Time: 5 to 7 pm

Course In-charge

(V.C.Holkunde)

# Arts, Science And Commerce College, Indapur Department Of Physics

**Notice for Student** 

Date-24/02/2023

All the Student who registered their names to 'Certificate Course in Electric & Electronic instruments' are hereby informed that their lectures will be started on Thursday, 02/03/2023 in Room No. 78 at 1 pm to 2 pm. It is compulsory to attend the lectures of value added course for getting desired credit.

HOD

Head
Department of Physics
Arts, Science & Commerce
College, Indapur, Dist. Pune

# Arts, Science And Commerce College , Indapur Department Of Physics

## **Notice for Student**

Date-24/02/2023

All the Student who registered their names to 'Certificate Course in Electric & Electronic instruments' are hereby informed that their Practical's will be started on Saturday, 04/03/2023 in Room No.59 at 1 pm to 5 pm. It is compulsory to attend the <u>Practical's</u> of value added course for getting desired credit.

HOD

Head

Department of Physics Arts, Science & Commerce College, Indapur, Dist. Pune

# Indapr Taluka Shikshan Prasarak Mandals Arts, Science and Commerce College Indapur Dist. Pune Department of Physics Certificate Course in Electric and Electronic Instruments Syllabus From Academic Year 2022-23

#### **Objectives of Certificate Course**

- 1. The student should know the Instruments
- 2. The student should know the applications of instruments

#### **Certificate Course Outcomes**

- 1. Understand the concept of measurements
- 2. Know the different units
- 3. Classification of instruments
- 4. Applications of instruments
- 5. Use of instruments in day today life

#### **Module 1. Introduction:**

10 L

Measurements, fundamental and derived units, standards and their classifications, International standards, Primary standards, Secondary standards, Working standards, Current standards, Voltage standards, Resistance standards, Capacitance standards, Time and frequency standards, Methods of measurements, Direct comparison methods, Indirect comparison methods.

# Indapr Taluka Shikshan Prasarak Mandal's Arts, Science and Commerce College Indapur Dist. Pune Department of Physics Certificate Course in Essential Electronics Syllabus From Academic Year 2022-23

40L

#### **Course Objective**

- To make Students learn concepts of Electronics.
- To provide sufficient fundamental knowledge to pursue advanced topic.

**Course outcome:** After successful completion of course, student will be able to analyze and design electronic circuit.

#### Unit 1: Introduction to passive components

10L

Resistors- colour code, classification, series and parallel combination.

**Capacitor**- Classification, colour code, number code, series and parallel combination.

**Inductors**- Classification, colour code, series and parallel combination. Circuit based on RLC- construction

#### 2.Introduction to Semiconductor devices

10L

• Semiconductor devices: The basics of semiconductors, diode and transistor characteristics, and different types of diodes and transistors

**Integrated circuits**: The basics of integrated circuits, including bipolar, MOS, and CMOS ICs

# Arts, Science And Commerce College , Indapur Department Of Physics

#### Notice for Student

Date-26/06/2022

ARTS, SCIENCE AND

COMMERCE COLLEGE

INDAPUR-413 LOL DIST-PUNE

All the Student who registered their names to 'Certificate Course in Essential Electronic' are hereby informed that their lectures will be started on Thursday ,01/07/2022 in Room No. 78 at 1 pm to 2 pm. It is compulsory to attend the lectures of value added course for getting desired credit .

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HOD Head

Department of Physics Arts, Science & Commerce College, Indapur, Dist. Pune

# Arts, Science And Commerce College, Indapur

#### **Department Of Physics**

#### Notice for Student

Date- 26/06/2022

All the Student who registered their names to 'Certificate Course in Essential Electronic' are hereby informed that their Practical's will be started on Saturday, 07/07/2022 in Room No.59 at 1 pm to 5 pm. It is compulsory to attend the Practical's of value added course for getting desired credit.

HOD Head

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Department of Physics Arts, Science & Commerce College, Indepur, Dist. Pune TO TO THE PURE DIST PURE

ARTS, SCIENCE AND COMMERCE COLLEGE INDAPUR-413106 DIST-PUNE

# Indapr Taluka Shikshan Prasarak Mandal's Arts, Science and Commerce College Indapur Dist. Pune Department of Physics Certificate Course in Astrophysics Syllabus From Academic Year 2022-23

#### **Objectives of Certificate Course**

- 1. The student should know the Instruments
- 2. The student should know the applications of Astronomical instruments

#### **Certificate Course Outcomes**

- 1. Understand the concept of measurements
- 2. Know the different units
- 3. Applications of instruments
- 4. Use of Astrophysics in day today life

Module 1.Fundamental of Astronomy

10L

Introduction: Concept of Universe, star system

Origin Basic measurement: physical size, mass, density, ration period

determination

## Arts, Science And Commerce College, Indapur

#### **Department Of Physics**

#### Notice for Student

Date-25/11/2022

All the Student who registered their names to 'Certificate Course in Astrophysics' are hereby informed that their lectures will be started on Thursday, 01/12/2022 in Room No. 78 at 1 pm to 2 pm. It is compulsory to attend the lectures of value added course for getting desired credit.

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Department of Physics Arts, Science & Commerce College, Indapur, Dist. Pune ARTS, SCIENCE AND
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# Arts, Science And Commerce College, Indapur

### **Department Of Physics**

**Notice for Student** 

Date-25/11/2022

All the Student who registered their names to 'Certificate Course in Astrophysics' are hereby informed that their <u>Practical's</u> will be started on Saturday, 03/12/2022 in Room No.59 at 1 pm to 5 pm. It is compulsory to attain the <u>Practical's</u> of value added course for getting desired credit.

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Department of Physics
Arts, Science & Commerce
College, Indapur, Dist, Pune

# Indapur Taluka Shikshan Prasarak Mandals

# Arts, Science and Commerce College, Indapur

# **Department of Physics**

## **Notice for Student**

Date-02/02/2022

Dear Students,

Welcome back to Arts, Science and Commerce College, Indapur for the 4<sup>th</sup> semester of the academic year 2022-23. The classes for the Value-Added Courses (VAC) for 4<sup>th</sup> semesters will commence from February 16, 2022, onwards. The appropriate timetable for these classes will be uploaded in our college website soon.

Students who have not yet registered for the above said VAC classes are hereby informed to do so on or before February 05, 2022, WITHOUT FAIL.

Kindly note ATTENDANCE RECORDING will commence from the day of opening i.e., February 16, 2022, itself and hence it is mandatory for all students to attend the classes from February 16, 2022, onwards.

HOD

Head
Department of Physics
Arts, Science & Commerce
College, Indapur, Dist. Pune

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# Indapur Taluka Shikshan Prasarak Mandals Arts, Science and Commerce College Indapur Dist. Pune Department of Physics

Certificate Course in Fundamentals of Research

## Syllabus From Academic Year 2022-23

## Objectives.

Here's a breakdown of the common research objectives, along with their key characteristics and examples:

#### 1. Exploratory Research

- Purpose: To gain initial insights into a new or unfamiliar phenomenon.
- Key Characteristics:
  - Flexible research design
  - Qualitative methods (interviews, observations, case studies)
  - o Small-scale studies
- **Example:** Studying a newly emerging social media platform to understand its impact on user behavior.

#### 2. Descriptive Research

- Purpose: To accurately portray the characteristics of a particular individual, group, or situation.
- Key Characteristics:
  - Well-defined research questions
  - Quantitative methods (surveys, questionnaires)
  - Large sample sizes
- Example: Conducting a survey to determine the demographics of a specific population.

#### 3. Diagnostic Research

- Purpose: To identify the causes or reasons behind a particular problem or phenomenon.
- Key Characteristics:
  - o In-depth analysis of causal relationships
  - o Quantitative methods (statistical analysis)
  - Focus on underlying causes
- Example: Analyzing data to identify the factors contributing to a decline in student performance.

#### 4. Hypothesis-Testing Research

- Purpose: To test a specific hypothesis about a causal relationship between variables.
- · Key Characteristics:
  - o Rigorous research design
  - Quantitative methods (experiments, controlled studies)
  - Statistical analysis to test hypotheses
- Example: Conducting a randomized controlled trial to evaluate the effectiveness of a new drug.

#### Remember:

- These research types are often interconnected. A single study can combine elements of multiple types.
- The choice of research type depends on the specific research question and the level of existing knowledge about the topic.

Would you like to explore a specific research type in more detail, or perhaps discuss how to design a research study?

- Research Methodology Learning Outcomes for the Program.
- [1] Understanding the nature of the subject to be studied and identifying the pertinent branch of knowledge.
- [2] Reading the literature to find out how other individuals have tackled the problem or found answers.
- [3] Compiling data in an organized and controlled manner to enable the drawing of well-informed judgments.
- [4] Analyzing information pertinent to the problem.



# ARTS, SCIENCE AND COMMERCE COLLEGE INDAPUR, DIST-PUNE

#### **STUDENTS NOTICE**

Date: 05/11/2022

All the students of T.Y.B.Sc. those who have taken admission to the add-on course "Milk sampling and its analysis" are hereby informed that, their regular theory and practicals will be conducted from 09/11/2022 to 18/11/2022. Attendance of all students is compulsory.

Dr. Bhosale R.R. (Course Incharge)

Head
Department Of Chemistry
Arts, Science & Commerce
College, Indapue, Dist. Pune

Principal PRINCIPAL ARTS, SCIENCE AND COMMERCE COLLEGE INDAPUR-413106 DIST-PUNE



classification, properties, nutritive value of lactose use of lactose. ,Vitamins- importance, definition, properties nutritive value of vitamins, Vit-A, Vit-B, B2, B6, B12, Vit-C (Ascorbic acid) & Vitamin-D. ,Food and nutritive value of milk, milk & public health.

#### Chapter V- Practicals

20

Detection of Common preservatives and Adulterants in milk, Various modes of Adulteration and their detection such as skimming, addition of separated milk, skim milk, added water, Starch and cane sugar. Determination of physicochemical parameters in milk samples.

#### **Learning Objectives:**

The students are expected to study

- 1. Knowing importance of the subject from the point of rural economy.
- 2. Knowing the composition of milk, its food & nutritive value
- 3. Understanding the Microbiology of the milk
- 4.Understanding various preservation and adulterants, various milk proteins and their role for the human body.
- 5. Knowing various milk products, their composition, manufacture and uses.

#### References:

- 1: Qutline of Dairy Technology- Oxfored University press By- Sukumar De. (Edition-1983)
- 2: Dairy Chemistry and Animal Nutrition- M.M. Rai, Kalyani, Publishers, New Delhi 3<sup>rd</sup> Edition, 1980
- 3: Fundamentals of Dairy Chemistry- B.H. Webb, A.H. Hohsson, J.A. Alford, CBB Publishers and Distributors.

4: Milk and Milk Products- C.H. Eckles, H. Macy, Tata McGraw Hikk Publishing Company Ltd.

5: Chemistry and Testing of Dairy Products-H.V. Athertion, J.A. New Lander, CBS, Publishers and Distributors.

Dr. Bhosale R.R. (Course Incharge) Dr. Bheré J.B
Department Of Chemistry
Arts, Science & Commerce
College, Indapue, Dist. Pune

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INDAPUR-413106 DIST-PUNE

#### **SYLLABUS**

#### Certificate course in Industrial Skills

#### (Lectures 40)

#### **Objectives**

- 1. Develop and demonstrate depth and breadth of knowledge in chromatography
- 2. To Integrate and impart practical knowledge to the students and evaluate their potential
- 3. To teach different analytical techniques to the students
- 4. To enhance employability of the students by nurturing CV writing skill and interview preparation

#### Module 1: Spectroscopic techniques (Lectures 6)

Spectral analysis using IR, UV, H1NMR, CMR and GCMS.

#### Module 2: Chromatographic techniques (Lectures 3):

Different chromatographic techniques include, TLC, Column chromatography, Paper chromatography, HPLC, GC, Ion exchange chromatography etc.

#### Module 3: Solvent extraction and Volumetric analysis (Lectures 3):

Extraction of samples 1) solid in liquid mixtures and 2) liquid in liquid mixtures

#### Module 4: Other Techniques (Lectures 3):

To teach Simple distillation, Fractional distillation, Crystallization, Sublimation

#### Module 5] Practical's (25 L):

- 1. Identifications of functional groups of the compounds by the TLC technique
- 2. Functional group conversion on micro scale and their purification
- Determinations of structures of the synthesized compounds by using UV, IR, NMR techniques.
- 4. Nanomaterial Synthesis and Characterizations.
- 5. Purification of Compounds by a) Colum chromatography b) Distillation c) Sublimation d) Recrystallization.

#### References:

- 1. Instrumental Methods of Chemical Analysis -B.K Sharma
- 2. Organic spectroscopy -Y.R Sharma

- 3. A Text book of Pharmaceutical Analysis -Kerrenth A. Connors
- 4. Vogel's Textbook of Qualitative Chemical Analysis -A.I. Vogel
- 5. Practical Pharmaceutical Chemistry -A.H. Beckett and J.B. Stenlake
- 6. Organic Chemistry -I. L. Finar
- 7. Organic spectroscopy -William Kemp
- 8. Basic tests for Pharmaceutical substances –WHO (1988)
- 9. Basic tests for Pharmaceutical substances –WHO (1991)
- 10. How to practice GMP's -P.P.Sharma4. The Drugs and Cosmetic Act 1940 -Vijay Malik

#### **Program Learning Outcomes of the Certificate course in Industrial Skills**

- CO-1: To understand basic chromatographic techniques
- CO-2: To know hands on experience of spectral analysis
- CO-3: To understand solvent extraction and volumetric analysis techniques
- CO-4: To learn other techniques like distillation, sublimation and crystallization of solids
- CO-5 To understand basic reactions of functional group interconversion

Head
Department Of Chemistry
Arts, Science & Commerce
College, Indapue, Dist. Pune

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# ARTS, SCIENCE AND COMMERCE COLLEGE INDAPUR, DIST-PUNE

#### **STUDENTS NOTICE**

Date: 23/12/2022

All the students of M.Sc Chemistry those who have taken admission to the value added course "Industrial Skill" are hereby informed that, their regular theory and practicals will be conducted from 02 Jan 2023 to 12 Jan 2023. Attendance of all students is compulsory.

Dr. Shinde M.P (Course Incharge)

Head
Department Of Chemistry
Arts, Science & Commerce
College, Indapue, Dist. Pune

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INDAPUR-413106 DIST-PUNE

# Indapr Taluka Shikshan Prasarak Mandals Arts, Science and Commerce College, Indapur Dist. Pune Department of Zoology Certificate Course in Bird Diversity Syllabus From Academic Year 2022-23

- 1) Name Of the Teacher Asst. Prof. Sonam Pushparaj Jamdade
- 2) No. of the Period required-30 hours
- 3) Number of Theory periods-12
- 4) Number of practical Period -18
- 5) Brief syllabus of the subject-
  - \*Definition of diversity, habit and habitats of birds.
  - \*External morphology of bird.
  - \*Identification keys of Birds.
  - \*Identification of Birds.
  - \*How to observe birds, Equipment used to observe the bird.
  - \*Nesting of Birds.
  - \*Photography techniques used.

**Outcome of Course-**Indapur tashil has been enriched with wetland area at Bhigwan as diksal and at the bank of Ujani reservoir. The migration birds visit Indapur areas. These birds can be so that we can understand avian diversity

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#### Arts, Science And Commerce College, Indapur

#### Department Of Zoology

#### **Notice**

Date-25/08/2022

All the Student who registered their names to 'Certificate Course in Bird Diversity' are hereby informed that their lectures will be started on Thursday, 02/09/2022 in Room No. 78 at 1 pm to 2 pm. It is compulsory to attend the lectures of value added course for getting desired credit.

HOD J. P. Sarwade

Head
Department of Zoology,
Sience & Commerce College,
Sipur, Dist. Pune - 413106

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#### Arts, Science and Commerce College, Indapur

#### **Department Of Zoology**

#### **Notice**

Date-25/08/2022

All the Student who registered their names to 'Certificate Course in Bird Diversity' are hereby informed that their Practical's will be started on Saturday, 03/09/2022 in Room No.59 at 1 pm to 5 pm. It is compulsory to attend the Practical's of value added course for getting desired credit.

Dr. HopSarwade

Head
Department of Zoology,
Science & Commerce College,
Lapur, Dist. Pune - 413106

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COMMERCE COLLEGE
INDAPUR-413106 DIST-PUNE

#### Arts, Science And Commerce College, Indapur

#### **Department Of ZOOLOGY**

**Notice for Student** 

Date-26/08/2023

All the Student who registered their names to 'Certificate Course in BLOOD GROUP ANALYSIS' are hereby informed that their lectures will be started on Thursday, 01/09/2023 in Room No. 76 at 1 pm to 2 pm. It is compulsory to attend the lectures of value added course for getting desired credit.

ir. J. P. Sarwade M.Sc., Ph.D., FZSI

Mead
Department of Zoology,
Science & Commerce College,
Toppus, Dict. Pune - 413101

ARTS SCIENCE AND COMMERCE COLLEGE NDAPUR 413106 DIST-PUNE

# Arts, Science And Commerce College, Indapur

### Department Of ZOOLOGY

**Notice for Student** 

Date-26/08/2023\_

All the Student who registered their names to 'Certificate Course in BLOOD GROUP ANALYSIS' are hereby informed that their Practical's will be started on Saturday, 02/09/2023 in Room No.76 at 1 pm to 5 pm. It is compulsory to attend the Practical's of value added course for getting desired credit.

HOD

Dr. J. P. Sarwade

Head

Head

Department of Zoology,
ts, Science & Commorce College,
Indapur, Dist Pune - 412168

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### Indapur Taluka Shikshan Prasarak Mandal's Arts, Science and Commerce College, Indapur Department Of Botany

#### Certificate Course on Plant Propagation Techniques

Academic Year (2022-2023)

#### **Student Notice**

All the Students of S.Y.B.Sc. are hereby noticed that our department started certificate course on Plant Propagation Techniques for academic year 2022 -23. This course is open for all S.Y.B.Sc. students.

Above course will be started from 03/02/2023 upto 18/02/2023. Interested students fill registration form and submit to department before 01/02/2023. Contact to department for more details.

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(Prof. Mahadik B.B)

#### Art's, Science & Commerce College, Indapur

#### **Department Of Botany**

#### **Syllabus**

#### Plant Propagation Techniques (40 Lectures)

#### Objectives-

- 1. Enable the students to identify vegetative plant parts like root, Stem, leaves or modified parts used for Propagation.
- 2. Provide hands on training for plant propagation method like Cutting, Grafting, Budding & Layering.
- 3. To give information about commercial importance of propagation methods used for horticultural crops.
- 4. To give laboratory experience, being able to perform plant propagation methods on a plant.
- 5. To learn the prospect & scope of Plant Propagation techniques in small scale industry.
- 6. Help the students to learn a means of self-employment and income generation.

#### Credit I

#### Unit -1: Basic concepts of propagation

(3 Lectures)

1.Propagation: Definition, need and potentialities for plant multiplication; 2. Propagation facilities: Mist chamber, humidifiers, greenhouses, glasshouses, cold frames, hot beds, polyhouses, 3. Identification and propagation by division and separation: Bulbs, pseudo bulbs, corms, tubers and rhizomes; runners, stolon, suckers and offsets.

#### Unit -3: Propagation by cuttings

(4 Lectures)

1. Cuttings: Definition, different methods of cuttings; root and leaf cuttings. 2. Stem cuttings: Definition of stem tip and section cuttings; plant propagation by herbaceous, soft wood, semi hard wood, hard wood and coniferous stem cuttings. 3. factors influencing rooting of cuttings; Use of plant growth regulators in rooting of cuttings.

#### Unit -4: Propagation by layering

(4 Lectures)

# Indapur Taluka Shikshan Prasarak Mandal's Arts, Science and Commerce College, Indapur Department Of Botany

#### **Certificate Course on Mushroom Cultivation**

**Academic Year (2022-2023)** 

#### **Student Notice**

All the Students of F.Y.B.Sc. and S.Y.B.Sc. are hereby noticed that our department started certificate course on Mushroom Cultivation for academic year 2022 -23. This course is open for all F.Y.B.Sc. and S.Y.B.Sc. students.

Above course will be started from 03/03/2023 upto 18/03/2023. Interested students fill registration form and submit to department before 01/02/2023. Contact to department for more details.

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(Prof. Mahadik B.B)

Arts, Science & Commerce College,Indeput To a

# Art's, Science & Commerce College, Indapur Department Of Botany

#### Syllabus

#### Mushroom Cultivation (30 Lectures)

#### **Objectives-**

- 1. Enable the students to identify edible & poisonous mushrooms.
- Provide hands on training for the preparation of bed for mushroom cultivation, harvesting & Post harvest techniques.
- 3. To give information about nutritional value of mushroom,
- 4. Give the students exposure to the experiences of experts and functioning mushroom farms.
- To learn the prospect & scope of mushroom cultivation in small scale industry.
- 6. Help the students to learn a means of self-employment and income generation.

#### **Unit 1: Introduction to Mushroom**

2 lectures

History and Scope of Mushroom Cultivation; Classification, Distribution of Mushroom; Vegetative characters of edible and poisonous mushrooms.

#### Unit 2: Introduction of edible Mushrooms

2 lectures

Button Mushroom (*Agaricus bisporous*), Oyster mushroom (*Pleurotus sajoreaju*), Paddy straw mushroom (*Volvariella volvacea*), Milky Mushroom (*Calocybe Indica*); Other economically important and medicinal mushroom- Shiitake Mushroom (*LentInula edodes*), Kabul Dhingri (King Oyster) Mushroom.

#### Unit 3: Principle of Mushroom Cultivation

8 lectures

Structure and construction of mushroom house, Sterilization of substrates. Spawn production, culture media preparation, Preparation of mother spawn, production of planting spawn, selection of good quality spawn, Mushroom Bed Preparation/maintenance, Harvesting method, Storage.

Unit 4: Disease and Pest Management in cultivated mushrooms

2 lectures

# ARTS, SCIENCE AND COMMERCE COLLEGE INDAPUR, DIST-PUNE

#### **STUDENTS NOTICE 2022-23**

Date: 02 /01/2023

All the students of F.Y.B.Sc and T.Y.B.Sc. those who have taken admission to the add-on course "Wine Production From Pomegranate By Yeast (Saccharomyces cerevisiae)" are hereby informed that, their regular theory and practicals will be conducted from 05\01\2023 to 18\01\2023 Attendance of all students is compulsory.

(Course Incharge)

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COMMERCE COLLEGE
INDAPUR-413106 DIST-PUNE

- 5) Checking parameter of wine
- 6)Colorimetric analysis
- 7) Statistical analysis (ANOVA TEST)
- 8) Checking of Temperature
- 9)Test for percentage of alcohol
- 10)Refractive index

#### **Learning Objectives:**

The students are expected to study

- 1. Knowing importance of the subject from the point of rural economy.
- 2. Knowing the composition of wine & nutritive value.
- 3. Understanding the Microbiology of the wine.
- 4.Understanding fermentation processes and various nutrients-role for the human body.
- 5. Knowing various composition, manufacture and uses wine .

#### References:

[1] Charushila V. Dhamne, Varsha A. Nikam, Kalyni H. Pagar, Sarita U. Mahajani, Sharddha S.Kulkarni, Sinhgde college of engineering, department of Biotecnology, pune.

[2]Pazhani Saranraj, Pannerselvam Sivasakthivelan Murugadoss Naveen, Fermentation of fruit Wine and its Quality analysis, Department of Microbiology, sacred Heart college, Tirupattur, Tamil Nadu, India. Department Agricultural Microbiology, Annamalai university, Annamalai Nagar, Tamil Nadu, India.

[3] Sevda S. B and Rodrigues L, Department of Food Engineering And Fermentation technology, University Institute of Chemical technology, Matunga, The making of Pomegranate wine using yeast immobilised on sodium alginate.

[4] Aakriti Guleria, Abhilashi Institute of Life Science, Deprtment of Microbiology, Manali-175008, Himachal Pradesh, India.

Course Incharge

PRINCIPAL
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INDAPUR-413106 DIST-PUNE

# ARTS, SCIENCE AND COMMERCE COLLEGE INDAPUR, DIST- PUNE

#### **STUDENTS NOTICE 2022-23**

Date: 03/01/2023

All the students of F.Y.B.Sc and T.Y.B.Sc. Those who have taken admission to the add-on course "Isolation of Microorganisms" are hereby informed that , their regular theory and practicals will be conducted from  $05\01\2023$  to  $19\01\2023$  Attendance of all students is compulsory.

Prof. Vivek More

(Course Incharge)

ARTS, SCIENCE AND COMMERCE COLLEGE INDAPUR-413106 DIST-PUNE



(4) filtration;

(5) chromatography.

Chapter- IV Isolation of Microorganisms

20

The process of obtaining a pure culture by separating one species of microbe from a mixture of other species, is known as isolation of the organisms.

Sterilize the inoculating loop in the bunsen burner until it is red hot. Allow it to cool.2. Pick an isolated colony from the agar plate culture and spread it over the first quadrant (approximately 1/4 of the plate).3. Flame the loop.4. Turn the plate 90, then streak into the next quadrant without overlapping the previous streaks.5. Flame the loop.6. Turn the plate 90°, and streak into the next quadrant as in step 4.7. Flame the loop.8. Repeat streaking the remainder of the plate.9. Invert the plate and incubate at 37°C for 24 hr.

#### Learning Objectives:

The students are expected to study

- 1. Knowing importance of the subject from the point of rural economy.
- 2. Serial dilution (Isolation from soil).
- 3. Understanding the Microbiology of isolation of microorganisms
- 4. The study of cell physiology, interactions between cells, as well as for the search of new metabolites, such as antibiotics and enzymes
- 5. Characterization of microorganism

#### References:

[1] Charushila V. Dhamne, Varsha A. Nikam, Kalyni H. Pagar, Sarita U. Mahajami, Sharddha S.Kulkarni, Sinhgde college of engineering, department of Biotecnology, punc.

[2]Pazhani Saranraj, Pannerselvam Sivasakthivelan Murugadoss Naveen, Fermentation of fruit Wine and its Quality analysis, Department of Microbiology, sacred Heart college. Tirupattur, Tamil Nadu, India. Department Agricultural Microbiology, Annamalai university, Annamalai Nagar, Tamil Nadu, India.

[3] Sevda S. B and Rodrigues L, Department of Food Engineering And Fermentation technology ,University Institute of Chemical technology ,Matunga, The making of Pomegranate wine using yeast immobilised on sodium alginate,

Prof. Vivek More

Course Incharge

ARTS SCHOOL AND COMMERCE COLLEGE



#### ITSPM's

#### Arts, Science and Commerce College, Indapur

#### **Department of Statistics**

#### Value added course

2022-23

#### Course Title: R-Programming

2- Credit

#### **Course Objectives**

1. Acquire knowledge in essential programming skills in R.

2. Visualize a given data, perform descriptive analysis and carry out a project using R Programming.

#### **Course Outcomes**

After successful completion of the course, a student will be able to perform the following using R Programming

CO1: Demonstrate basic programming skills in R

CO2: Describe and illustrate the data

CO3: Design and carryout a project with statistical analysis using R Programming and present the report.

#### **SYLLABUS**

#### UNIT - I

Introduction to R: - Overview, Environment Setup, Basic Syntax, Data types.

R Basics: - Variables, Operators, Decision Making, Loops, Functions, Strings, Vectors, Lists, Matrices, Arrays, Factors, Data Frames, Packages.

#### UNIT - II

Data visualisation: — Pie Charts, Bar Charts, Area Charts, Bubble Charts, Surface charts, , Waterfall charts, Box Plots, Violin plots, Histograms, Line Graphs, Scatter plots, Matrix plots.

Statistical Analysis in R: – Descriptive statistics: measures of central tendency, measures of dispersion, partition values, moments, skewness and kurtosis, Regression.

Department Of Statistics
Arts, Science & Commerce College
Indapur(Pune)

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ARTS, SCIENCE AND COMMERCE COLLEGE INDAPUR-413106 DIST-PUNE

#### ITSPM's

#### Arts, Science And Commerce College, Indapur

#### **Department of Statistics**

#### **Notice for Student**

Date-01/02/2023

All the Student who registered their names to 'Value added Course in R Programming' are hereby informed that their lectures and practicals will be started on Saturday, 04/02/2023 in Room No. 66 at 12 pm to 1 pm. It is compulsory to attain the lectures of value added course for getting desired credit.

Department Of Statistics
Arts, Science & Commerce College
Indapur(Pune)

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INDAPUR-413106 DIST-PUNE

#### ITSPM's

# Arts, Science And Commerce College, Indapur

#### **Department Of Commerce**

#### **Notice for Student**

Date-04/02/2023

All the Student who registered their names to 'Certificate Course Of Tally ERP 9' are hereby informed that their lectures will be started on Saturday, 11/02/2023 in Room No. 41 at 12.00 pm to 3.00 pm. It is compulsory to attend the lectures of value added course for getting desired credit.

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Head
Departmen Of Commerce
Arts, Science and Commerce College,
indapar, Dist. Pune-413106

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Principal PRINCIPAL ARTS, SCIENCE AND COMMERCE COLLEGE INDAPUR-413106 DIST-PUNE

#### Arts, Science And Commerce College, Indapur

#### **Department Of Commerce**

S.Y. B.com

#### **Notice for Student**

Date-06/04/2023

All the Student who have registered their names for 'Certificate Course in 'MS- Office' are hereby informed that their lectures will be started on Wednesday 12/04/2023 in Room No. 48 at 11 pm to 2 pm. It is compulsory to attend the lectures of certificate course for getting desired credit.

Department Of Commerce
Arts, Science and Commerce College,
Indapur, Dist. Pune-413106

Principal



#### Arts, Science And Commerce College, Indapur

#### **Department Of Commerce**

#### S.Y. B.com

#### **Practical Notice for Student**

Date-15/04/2023

All the Student who has registered their names for 'Certificate Course in 'MS- Office' are hereby informed that their lectures will be started on Saturday 19/04/2023 in Room No. 48 at 11 pm to 1 pm. It is compulsory to attend the lectures of certificate course for getting desired credit.

Department Of Commerce Arts, Science and Commerce College, Indapur, Dist, Pune-413106

Y Principal



### Arts, Science And Commerce College, Indapur

#### **Department Of Commerce**

#### **Notice for Student**

Date-05/05/2023

All the Student who registered their names to 'Certificate Course Of Share Market' are hereby informed that their lectures will be started on wednesday , 08/05/2023 in Room No. 85 at 2.00 pm to 5.00 pm. It is compulsory to attend the lectures of value added course for getting desired credit .

HOD

Department Of Commerce Arts, Science and Commerce College, Indapur, Dist. Pune-413106 Principal
PRINCIPAL
ARTS, SCIENCE AND
COMMERCE COLLEGE
INDAPUR-413106 DIST-PUNE



#### इंदापूर तालुका शिक्षण प्रसारक मंडळाचे कला, विज्ञान आणि वाणिज्य महाविद्यालय, इंदापूर, जि. पुणे भूगोल विभाग विद्यार्थ्यांसाठी सूचना

दि. २४/०४/२०२३

महाविद्यालयातील भूगोल विभागातील सर्व विद्यार्थ्यांना कळविण्यात येते कि, भूगोल विभागाने शैक्षणिक वर्ष २०२२-२३ मध्ये 'भौगोलिक माहिती प्रणाली' या विषयावर ४ क्रेडिटचा प्रमाणपत्र कोर्स आयोजित केलेला आहे. हा कोर्स एस.वाय.बी.ए., टी.वाय.बी.ए., एस.वाय.बी.एसी, टी.वाय.बी.एसी. आणि एम.ए. भूगोल या वर्गातील विद्यार्थ्यांसाठी आवश्यक (Compulsory) आहे.

महाविद्यालयातील प्रत्येक विद्यार्थ्याला एफ. वाय ते टी. वाय. या वर्गामध्ये एकूण १४० क्रेडिट प्राप्त करणे आवश्यक आहे. त्यापैकी १३२ क्रेडिट महाविद्यालयाच्या अंतर्गत परीक्षा आणि विद्यापीठाच्या परीक्षा यातून प्राप्त होणार आहे. उर्वरित ८ क्रेडिट महाविद्यालयामध्ये आयोजित केलेल्या वेगवेगळ्या उपक्रमामधून विद्यार्थ्यांनी प्राप्त करणे आवश्यक आहे.

याच उपक्रमानुसार भूगोल विभागाने वरील कोर्स आयोजित केलेला असून विद्यार्थ्यांनी आपली नावे <a href="https://forms.gle/XEwzqCzWXjwLD8c58">https://forms.gle/XEwzqCzWXjwLD8c58</a> या लिंकवर जाऊन दिनांक 28/04/2023 पर्यंत नोंदणी करणे आवश्यक आहे. हा प्रमाणपत्र कोर्स मे महिन्यामध्ये पहिल्या आठवड्यात सुरु होणार असल्याने विद्यार्थ्यांनी नाव नोंदणी लवकर करावी. तसेच या संदर्भात अधिक माहितीसाठी डाॅ. संदिप शिंदे (९४०४७३४८६८) यांच्याशी संपर्क साधावा.

eř vidu Nid

डॉ. संदिप शिंदे आय.क्यू.ए.सी. व कोर्स समन्वयक

डॉ. गजानन ढोबळे

Department of Geography
Arts, Science and Commerce College,
Indapur, Dist- Pune- 413106

प्रा. डॉ. जिवन सरवटे

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Arts, Science & Commerce
College, Indapur, Dist Pur-

#### इंदापूर तालुका शिक्षण प्रसारक मंडळाचे कला, विज्ञान आणि वाणिज्य महाविद्यालय, इंदापूर, जि. पुणे

#### भुगोल विभाग विद्यार्थ्यांसाठी सूचना

दि. ०९/०५/२०२३

महाविद्यालयातील भूगोल विभागातील सर्व विद्यार्थ्यांना कळविण्यात येते कि, भूगोल विभागाने शैक्षणिक वर्ष २०२२-२३ मध्ये 'भौगोलिक माहिती प्रणाली' या विषयावर ४ क्रेडिटचा प्रमाणपत्र कोर्स दिनांक १५/०५/२०२३ ते २५/०५/२०२३ या कालावधीत आयोजित केलेला आहे. हा कोर्स एस.वाय.बी.ए., टी.वाय.बी.ए., एस.वाय.बी.एस्सी., टी.वाय.बी.एस्सी. आणि एम.ए. भूगोल या वर्गातील विद्यार्थ्यांसाठी आवश्यक (Compulsory) आहे.

तरी या कोर्ससाठी नोंदणी केलेल्या विद्यार्थ्यांनी कोर्सच्या वेळापत्रकानुसार शाहीर अमर शेख सभागृहात हजर राहावे. जे विद्यार्थी हजर राहतील आणि या कोर्सची परीक्षा देतील त्याच विद्यार्थ्यांना गुण आणि प्रमाणपत्र दिले जाईल याची विद्यार्थ्यांनी नोंद घ्यावी. तसेच या संदर्भात अधिक माहितीसाठी डॉ. संदिप शिंदे (९४०४७३४८६८) यांच्याशी संपर्क साधावा.

डॉ. संदिप शिंटे आय.क्यू.ए.सी. व कोर्स समन्वयक

Department of Geography Arts, Science and Commerce College, Indapur, Dist-Pune-413106

Principal ⊰rcs,Science & Commerce `ollege,Indapur,Dist عربه



# Indapur Taluka Shikshan Prasarak Mandal's Arts, Science and Commerce College, Indapur, Dist. Pune

#### **Department of Geography**

#### Certificate Course on Geographic Information System (GIS)

(Academic Year 2022-23)

#### **Syllabus**

#### Objectives of certificate course

- 1. To acquaint the students with new concepts in GIS.
- 2. To familiarize the students with the wide application fields in Geography.

#### **Certificate Course Outcomes**

- 1. Understand the concept, advantages and importance of GIS.
- 2. Gain knowledge about the various projections.
- 3. Know about sources and types of data.
- 4. Develop ability of attribute linking in GIS for specific purposes in geographical and other areas.
- 5. Develop practical skills about geo-referencing, TIN spatial analysis and topographical analysis
- 6. Know about application of query analysis techniques in GIS.

#### No. of Credits = 04

No. of Periods = 45

| SI. no. | Topic                               | Sub topic  | Learning points   | Periods |
|---------|-------------------------------------|--|---|---------|
| 1       | Introduction<br>to GIS              | Definition,<br>Components<br>and Functions<br>of GIS | <ol> <li>Definition of GIS</li> <li>Scope and importance of GIS</li> <li>History of GIS</li> <li>Components of GIS</li> <li>Function of GIS: GIS task - Input,<br/>Manipulation, Management,<br/>Query analysis, Visualization</li> </ol> | 08      |
| 2       | Map<br>Projection                   | Definition and<br>Classification<br>of Projection    | <ol> <li>Size and shape of the earth</li> <li>Definition of Map Projection</li> <li>Classification of Map Projection</li> </ol>   | 10      |
| 3       | Sources and<br>types of GIS<br>Data | Sources and<br>Types, Data<br>Models                 | <ol> <li>Toposheet, Surveying, Aerial<br/>Photographs, Satellite data and<br/>images</li> <li>Data types - Spatial and<br/>Non-Spatial</li> <li>Raster data and their<br/>characteristics</li> </ol>                                      | 07      |

# इंदापूर तालुका शिक्षण प्रसारक मंडळाचे कला, विज्ञान आणि वाणिज्य महाविद्यालय, इंदापूर, जि . पुणे विद्यार्थी सूचना

विष्ठ महाविद्यालयातील कला आणि विज्ञान शाखेतील Basics of Geography हा Certificate Course घेतलेल्या सर्व विद्यार्थ्यांना सूचित करण्यात येते की, भूगोल विभागाच्या वतीने सोमवार दि. १३ फेब्रुवारी ते २३ फेब्रुवारी २०२३ या कालाविधत रूम नं.२३ या ठिकाणी सकाळी ११ ते दुपारी २.१५ वाजेपर्यंत घेण्यात येणार आहे. तरी सर्व विद्यार्थ्यांनी वेळत उपस्थित राहावे.

डॉ . महंमद मुलाणी कोर्स प्रमुख डॉ . गजानन ढोबळे भूगोल विभाग

Heao Department of Geography Arts, Science and Commerce College, Indapur, Dist- Pune- 413106 डॉ. जीवन सरवदे
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ARTS, SCIENCE AND
COMMERCE COLLEGE
INDAPUR-413106 DIST-PUNE

#### IndapurTaluka ShikshanPrasarak Mandal's, Arts, Science and Commerce College, Indapur, Dist-Pune

#### Department of Geography

# Certificate Course in Basics of Geography (Academic Year 2022-23)

#### **Syllabus**

#### Objectives of certificate course:-

- 1. To acquaint the students with basic Fundamental Concepts of The Earth.
- 2. To acquaint the students with basic of maps uses of map and type of maps.

#### **Outcomes of Certificate Course:-**

- 1. Students will get acquainted with the Fundamental Concepts of The Earth.
- 2. Students will get acquainted with basics of maps uses of map and type of maps.

No. of Credits: 02

No. of Periods: 30

| Sr. No. | Name of the<br>Topic                    | Learning Points  | No. of Lectures/<br>Practical |
|---------|---|--|-------------------------------|
| 1       | Fundamental<br>Concepts of The<br>Earth | <ul> <li>a) The Earth Size, Shape, Radius, Circumference</li> <li>b) Parallels of Latitudes</li> <li>c) Meridians of Longitudes</li> <li>d) Time: Local and Standard time</li> <li>e) Time Zone</li> <li>f) International Date Line</li> </ul> | 18                            |
| 2       | Maps                                    | <ul> <li>a) Definition</li> <li>b) Elements of maps (Scale, Direction, Map Projection, Conventional Sings and Symbols, Legend)</li> <li>c) Types of Maps</li> <li>d) Uses of Maps</li> </ul>   | 12                            |

Total Theory Lectures (in hours): 20

Total Practical (in hours): 10

#### References:-

- 1. Dent, B.D. (1999): Cartography: Thematic Map Design, (Vol. 1), McGraw Hill.
- 2. Gupta K. K. and Tyagi V. C., 1992. Working with Maps, Survey of India, DST, New Delhi.
- 3. Mishra R. P. and Ramesh A., 1989. Fundamental of Cartography, Concept Publishing.

# Indapur Taluka Shikshan Parsark mandal's Art, Science and Commerce College, Indapur Department of Economics Certificate Course Digital Banking

Date: 10/01/2023

#### **Notice**

This is to inform to concern students who are participated add on course for certificate course in digital banking lecture will be start from 23 Jan. to 16 February 2023. All concern students must attend lectures.

SECONDA PARTS, SCALL

Head
Department of Economics
A.S.C.College,Indapur,
Dist.Pune.413106

# Indapur Taluka Shikshan Prasarak Mandal's Arts Science & Commerce College, Indapur Dist. Pune Department Of Economics Academic Year 2022-23 Syllabus of Add-on Course Certificate Course in Digital Banking

Total Credit: 04

Total No. of Lectures: 60

#### Objectives:

- To develop the working capability of students in banking sector
- To Make the Students aware of Banking Business and practices.
- To enlighten the students regarding the new concepts introduced in the banking system.

| Unit No. | Topic Name     | Sub Topic   | No. of Lectures |
|----------|----------------|---|-----------------|
|          | Origin,        | Meaning, Definition and Origin of 'Bank',<br>Evolution of Banking in Europe and Asia, |                 |
| 1.       | Meaning and    | Evolution of Banking in India, Structure of   |                 |
|          |                | Indian Banking System   |                 |
|          | definition of  |   | 15              |
|          | Bank           |   |                 |
| 2.       | Procedure for  | Procedure for Opening of Deposit Account:   |                 |
|          | 10000010101    | Know Your Customer Norms, (KYC Norms),  |                 |
|          | Opening and    | Application Form, Introduction, and Proof of  |                 |
|          |                | Residence, Specimen Signature, and  |                 |
|          | operating an   | Nomination Facility: Their Importance. No   |                 |
|          |                | Frill Account   |                 |
|          | account        | Procedure for Operating Deposit Account:  | 15              |
|          |                | Pay-in-slip, Withdrawal slip, Issue of Pass   |                 |
|          |                | Book, (Current, Savings or Recurring  |                 |
|          |                | Deposit), Issue of Cheque Book, Issue of  |                 |
|          |                | Fixed Deposit Receipt, Premature encashment   |                 |
|          |                | of a Fixed Deposit and Loan against Fixed   |                 |
|          |                | Deposit. Recurring Deposit: Premature   |                 |
|          |                | encashment and loan against Recurring Deposit.  |                 |
| 3.       | Use of modern  | Role and Uses of Technology in Banking  |                 |
|          |                | Automated Teller Machine (ATM) - onsite   |                 |
|          | technology in  | and offsite ATM, Cash Deposit machine   |                 |
|          | 1 11 0         | (CDM), Cheque Deposit machine, Passbook   |                 |
|          | banking Sector | Printing Machine, Note and Coin counting  |                 |
|          |                | device, Fake currency detector, Credit card,  | 15              |

र्से वर्ष 22-23

किंग्य, जिन्मुने इंशपूर, जिन्मुने मश्री विभाग आयोजित व्यक्तीमत्व विद्यास द्वायशाळा विद्यार्थी स्नुना

14. 05/04/2023

महाविद्यालयातील सर्व विद्याध्यांना कळाविष्यान सेने छी, दि: 15/04/2023 ते 27/04/2023 सा द्वालावद्यीत मराठी विस्नाठााकद्वत 'व्याक्तिमल विद्यास खार्यशाकेचे' आत्रोजन खरणात आले आहे सदर छात्रशाकेत सहआठी होडा द्वाल्यान्या विद्याध्यांनी आपली नावे दि: 10/4/2023 पर्यत् डा. बोलार संच्याकडे नेंद्वावीत

प्रकार मिश्री विभाग प्रमुख डा. राजाराम गावडे

> मराठी विभाग प्रमुख कला,विज्ञान आणि वाणिज्य महाविद्यालय,इंदापूर,जि. पुणे

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# कला, विज्ञान एवं वाणिज्य महाविद्यालय, इंदापुर

तिथि- 05/05/2023

#### सूचना

छात्रों को स्चित किया जाता हैं कि महाविद्यालय में हिंदी विभाग द्वारा ८ मई के दिन कला विज्ञान एवं वाणिज्य महाविद्यालय में सावित्रीबाई फुले विश्वविद्यालय पुणे पाठ्यक्रम के उपलक्ष्य में उर्दू लिपि प्रशिक्षण का आयोजन किया गया है। सभी छात्रों को स्चित किया जाता है कि यह कोर्स हिंदी विभाग में ८ मई को सुबह 11 बजे शुरू हो रहा है। आपकी उपस्थिति अनिवार्य है।



्रा एस.एन.पवार हिंदी विभाग प्रमुख कला विज्ञान आणि वाणिज्य महाविद्यालय इंदापूर जि.पुणे. 413106

#### कला, विज्ञान एवं वाणिज्य महाविद्यालय, इंदापुर

#### हिंदी विभाग

(शैक्षिक वर्ष - 2022-23)

#### अनुवाद प्रमाणपत्र पाठ्यक्रम (Certificate Course in Translation)

#### उद्देश्य :

- 1. अनुवाद के स्वरूप, प्रकार एवं महत्व को अवगत कराना।
- 2. छात्रों में अनुवाद कौशल विकसित कराना।
- 3. हिंदी-मराठी-अंग्रेजी भाषाओं के पारस्पारिक अनुवाद संबंधी मार्गदर्शन एवं अभ्यास कराना।
- 4. अनुवाद के व्यावहारिक पक्ष से छात्रों को अवगत कराना।

#### साध्य:

- 1. अनुवाद के स्वरूप, प्रकार एवं महत्व से छात्र अवगत हुए।
- 2. छात्रों में अनुवाद कौशल विकसित हुआ।
- 3. हिंदी-मराठी- अंग्रेजी भाषाओं में अनुवाद कार्य संभव हुआ ।
- 4. अनुवाद के व्यावहारिक पक्ष से छात्र परिचित हुए



# कला, विज्ञान एवं वाणिज्य महाविद्यालय, इंदापुर

#### हिंदी विभाग 2022-23

#### सूचना

तिथि- 14/09/2022

सभी छात्रों को सूचित किया जाता है कि हिंदी विभाग द्वारा अनुवाद प्रमाण पत्र पाठ्यक्रम कोर्स दि.17 सितंबर 2022 से 12 अक्तुबर 2022 तक शुरू हो रहा है। यह कोर्स 17 सितंबर से रूम नं. 18 में सुबह 10.00 बजे से शुरू होगा।

प्रथम वर्ष के सभी छात्रों कि उपस्थिति अनिवार्य रहेंगी।

Tain DIST PURE

्डॉ.एस.एन.पवार हिंदी विकास प्रमुख क्ला रिज्ञान अव अवितालय इंसपूर्वानुद्धि साउ१००

# Indapur Takuka Shikshan Prasarak Mandal's Arts, Science and Commerce College, Indapur Tal- Indapur, Dist.- Pune Department of English

Name of Course: Spoken English

Name of the Teacher: Prof. Vyawahare R.R.

Name of Assisting teacher: Prof. Bhosale D.K.

Prof.Dr. Firoz Shaikh

Number of periods required: 30

Time: Monday to Thursday 11.30 a.m. to 2.30 p.m.

# Objective:

Equip students with the foundational skills required to communicate effectively in spoken English, enhancing their confidence and proficiency.

# Course Syllabus:

# **Basics of Spoken English**

- > Introduction to Spoken English: Importance and Relevance.
- Phonetics and Basic Pronunciation.
- Everyday Vocabulary and Essential Phrases.

# Fundamental Grammar and Structures

- Present Tense: Formation and Usage.
- Past Tense: Common Uses and Practice.
- > Sentence Structures: Simple to Complex.

# **Enhancing Communication Skills**

- > Techniques for Improving Fluency.
- Role-playing: Daily Conversations and Scenarios.
- Using Idioms and Expressions in Everyday Talk.

# **Advanced Communication Techniques**

- Accent and Intonation Training.
- Public Speaking Basics: Overcoming Stage Fear.
- ➤ Effective Group Discussions and Debates.

# Vocabulary and Pronunciation

- Vocabulary for Business and Academic Contexts.
- > Pronunciation: Addressing Common Challenges.

# **Modern Communication Skills**

- Non-Verbal Communication: Body Language
- > Interview Preparation: Tips, Mock Sessions, and Feedback.

# **Course Outcomes:**

1

# Upon successful completion of this course, students will be able to:

- **1. Foundational Understanding:** Demonstrate a foundational understanding of the principles, importance, and relevance of spoken English in various contexts.
- **2. Pronunciation Proficiency:** Articulate sounds, words, and phrases of the English language with improved accuracy and clarity, minimizing common pronunciation errors.
- **3. Grammar Competence:** Construct and deliver sentences using a range of tenses and sentence structures, showcasing proficiency in basic to intermediate grammar.
- **4. Fluency and Communication:** Communicate confidently and fluently in diverse situations, employing techniques and strategies to maintain smooth conversation flow.
- **5. Vocabulary Enhancement:** Employ an expanded vocabulary repertoire, incorporating idiomatic expressions and advanced terms suitable for both casual and formal discussions.

# Arts, Science and Commerce College, Indapur

# Department of English

# **Student Notice**

Date: 14/09/2022

All the Students are hereby informed that Value Added course is organized on Spoken English by the Department of English from 19/09/2022 from 11.30 A.M. to 2.30 P.M.

Students are requested to register and participate in the course.

For schedule and Time table see the notice board.

PRINCIPAL

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INDAPUR-413106 DIST-PUNE

HOD
Department of English
Head
Department of English
Arts, Science and Commerce College
Indapur, Dist-Pune, 413106



# Indapr Taluka Shikshan prasarak mandals Arts, Science and Commerce College Indapur dist. Pune Department of Physics Certificate Course in Basic Electronic Syllabus From Academic Year 2018-19

40L

# Course Objective

- To make Students learn concepts of Electronis.
- To provide sufficient fundamental knowledge to pursue advanced topic.

**Course outcome:** After successful completion of course, student will be able to analyse and design electronic circuit.

# Unit 1: Introduction to passive compoents

10L

Resistors- colour code, classification, series and parallel combination.

Capacitor- Classification, colour code, number code, series and parallel combination.

**Inductors**- Classification, colour code, series and parallel combination. Circuit based on RLC- contruction

# 2.Introduction to active Compoents

10L

Transistor- terminal identification, classification, circuit based on transistor-construction

### 3. Electronic Devices

101.

# Arts, Science And Commerce College, Indapur

# **Department Of Physics**

### **Notice for Student**

Date-25/08/2021

All the Student who registered their names to 'Certificate Course in Basic Electronic' are hereby informed that their lectures will be started on Thursday, 02/09/2021 in Room No. 78 at 1 pm to 2 pm. It is compulsory to attend the lectures of value added course for getting desired credit.

HOD

Head

Department of Physics Arts, Science & Commerce College,Indapur, Dist.Pune

COMMERCE COLLEGE INDAPUR-413106 DIST-PUNE

# Arts, Science And Commerce College, Indapur

# **Department Of Physics**

### **Notice for Student**

Date-25/08/2021

All the Student who registered their names to 'Certificate Course in Basic Electronic' are hereby informed that their Practical's will be started on Saturday, 04/09/2021 in Room No.59 at 1 pm to 5 pm. It is compulsory to attend the Practical's of value added course for getting desired credit.

HOD Head

Department of Physics Arts, Science & Commerce College, Indapur, Dist. Pune Principal PRINCIPAL

ARTS, SCIENCE AND COMMERCE COLLEGE INDAPUR-413106 DIST-PUNE

# Arts, science & Commerce College, Indapur

# Value added course (2021-22)

# Title - 'Yoga Education'

ITSPM's Arts, Science & Commerce College, Indapur is committed to create an environment where students feel empowered to improve upon their learning behavior for which mere academic inputs is not enough. Going beyond it, they are provided with the training that contributes in their capacity building by motivating them to train their inner self, through emotional management, Self-understanding and positive thinking. Yoga training can help students to strengthen their potentials.

Our Institution conducts a value added course in Yoga programme for students in view with making them conscious of the importance of physical and mental wellbeing.

# **Course Objective**

- Students can acquire knowledge and skills which will help them in developing Physical, Mental, Social and Spiritual health.
- Develop Values that will enhance the personality of the students.
- Develop Emotional Stability.
- The Course enables the future development of the students in order to achieve Occupational Wellness.
- Develop Fitness Conscious Environment in the Campus.

# **Program Outcomes**

At the end of the course, the student will be able to:

- PO1 Focus on goals and move away from negativity.
- PO2 Explain dimensions of wellness which helps in pursuing their goals.
- PO3 Demonstrate the practices that can promote wellness.
- PO4 Plan and follow a daily routine that includes Warm-up, Yogasanas, Pranayam and Meditation.
- PO5 Demonstrate behaviours aligned to universal Human Values.
  - ▶ Before commencing with the yoga training, students will undergo pre-test where their knowledge or awareness about yoga is checked. On the basis of the outcomes of the pre-test, the programme is designed or modified to make it mode need based for trainee students.
  - ➤ The modified version of the Training package is then implemented. Theory lectures & practical demonstration on yoga will be conducted by Art of Living Faculty Mr. Viresh Holkunde in collaboration with our College Gymkhana Department.
  - ➤ The content of the course include theory as well as practical demonstrations and practice of different types of pranayama and Yogasans.
  - ➤ A Complete package of 40 hours training programme (Each session 2 hrs.) in a span of 3 months is designed in collaboration with the well-known ART OF LIVING Yoga Experts with the help of Volunteers.

- > It includes understanding of the concept of Yoga, theoretical and scientific basis for the Yogasans and Pranayams.
  - These sessions will be conducted by the trained yoga teachers.
- > Students will be awarded with the course completion certificate endorsed by Yoga Trainers & A.S. C. College, Indapur.

# **SYLLABUS**

# Value added course in 'Yoga Education'

| 1. Introduction to Yoga.                | 5 Hrs.  |
|---|---------|
| 2. Practical demonstration of Pranayama | 5 Hrs.  |
| 3. Practicing Pranayama                 | 10 Hrs. |
| 4. Practical demonstration of Asanas    | 5 Hrs.  |
| 5. Practicing Asanas                    | 10 Hrs. |
| 6. Meditation                           | 5 Hrs.  |

Total:

40 Hrs.

Course Teacher
(V. C. Holk unde)



FLUIL A Principal

Arts, Science And Commerce College, Indapur

# STUDENT NOTICE

(Certificate Course in YOGA EDUCATION)

Date- 27/ 08/ 2021

All the Students who have registered their names for 'Certificate Course in YOGA EDUCATION' are hereby informed that, their Yoga Sessions will begin on Thursday, 02/09/2021

It is compulsory to attend the sessions of value added course for getting desired credit.

Venue: Room No. 66

Time: 4 to 6 pm

Course In-charge

(V. c. Holkunde)

- ARTS, SCIENTS

Principal
PRINCIPAL
ARTS, SCIENCE AND
COMMERCE COLLEGE
INDAPUR-413106 DIST-PUNE

# Arts, Science And Commerce College, Indapur

# **Department Of Physics**

**Notice for Student** 

Date-25/02/2022

All the Student who registered their names to 'Certificate Course in Electric & Electronic instruments' are hereby informed that their lectures will be started on Thursday, 03/03/2022 in Room No. 78 at 1 pm to 2 pm. It is compulsory to attend the lectures of value added course for getting desired credit.

HOD

Head

Department of Physics Arts, Science & Commerce College, Indapur, Dist. Pune Principal
PRINCIPAL
ARTS, SCIENCE AND
COMMERCE COLLEGE
INDAPUR-413106 DIST-PUNE



# Arts, Science And Commerce College, Indapur

# **Department Of Physics**

# **Notice for Student**

Date-25/02/2022

All the Student who registered their names to 'Certificate Course in Electric & Electronic instruments' are hereby informed that their <u>Practical's</u> will be started on Saturday, 05/03/2022 in Room No.59 at 1 pm to 5 pm. It is compulsory to attain the <u>Practical's</u> of value added course for getting desired credit.

HOD

Head

Department of Physics Arts, Science & Commerce College, Indapur, Dist. Pune Principal
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ARTS, SCIENCE AND
COMMERCE COLLEGE
INDAPUR-413106 DIST-PUNE

75

# Indapr Taluka Shikshan Prasarak Mandals Arts, Science and Commerce College Indapur Dist. Pune Department of Physics Certificate Course in Electric and Electronic Instruments Syllabus From Academic Year 2021-22

# **Objectives of Certificate Course**

- 1. The student should know the Instruments
- 2. The student should know the applications of instruments

# **Certificate Course Outcomes**

- 1. Understand the concept of measurements
- 2. Know the different units
- 3. Classification of instruments
- 4. Applications of instruments
- 5. Use of instruments in day today life

# **Module 1. Introduction:**

10 L

Measurements, fundamental and derived units, standards and their classifications, International standards, Primary standards, Secondary standards, Working standards, Current standards, Voltage standards, Resistance standards, Capacitance standards, Time and frequency standards, Methods of measurements, Direct comparison methods, Indirect comparison methods.

# ARTS, SCIENCE AND COMMERCE COLLEGE INDAPUR, DIST-PUNE

# **STUDENTS NOTICE**

Date: 01/12/2021

All the students of T.Y.B.Sc. those who have taken admission to the value added course "Milk sampling and its analysis" are hereby informed that , their regular theory and practicals will be conducted from 25/11/2021 to 04 Dec.2021. Attendance of all students is compulsory.

Dr. Bhosale R.R. (Course Incharge)

Head
Department Of Chemistry
Arts,Science & Commerce
College,Indapue,Dist.Pune

Principal
PRINCIPAL
ARTS, SCIENCE AND
COMMERCE COLLEGE
INDAPUR-413106 DIST-PUNE



classification, properties, nutritive value of lactose use of lactose. ,Vitamins- importance, definition, properties nutritive value of vitamins, Vit-A, Vit-B, B2, B6, B12, Vit-C (Ascorbic acid) & Vitamin-D. ,Food and nutritive value of milk, milk & public health.

# Chapter V- Practicals

20

Detection of Common preservatives and Adulterants in milk, Various modes of Adulteration and their detection such as skimming, addition of separated milk, skim milk, added water, Starch and cane sugar. Determination of physicochemical parameters in milk samples.

# **Learning Objectives:**

The students are expected to study

- 1. Knowing importance of the subject from the point of rural economy.
- 2. Knowing the composition of milk, its food & nutritive value
- 3. Understanding the Microbiology of the milk
- 4.Understanding various preservation and adulterants, various milk proteins and their role for the human body.
- 5. Knowing various milk products, their composition, manufacture and uses.

# References:

- 1: Qutline of Dairy Technology- Oxfored University press By- Sukumar De. (Edition-1983)
- 2: Dairy Chemistry and Animal Nutrition- M.M. Rai, Kalyani, Publishers, New Delhi 3<sup>rd</sup> Edition, 1980
- 3: Fundamentals of Dairy Chemistry- B.H. Webb, A.H. Hohsson, J.A. Alford, CBB Publishers and Distributors.
- 4: Milk and Milk Products- C.H. Eckles, H. Macy, Tata McGraw Hikk Publishing Company Ltd.
- 5: Chemistry and Testing of Dairy Products- H.V. Athertion, J.A. New Lander, CBS, Publishers and Distributors.

Dr. Bhosale R.R. (Course Incharge)

Dr. Bhore J.B

Department Of Chemistry

Arts Science & Commerce
College, Indapue, Dist. Pune

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COMMERCE COLLEGE
INDAPUR-413106 DIST-PUNE

78

# **SYLLABUS**

# Certificate course in Instrument Handling.

### (Lectures 40)

# **Objectives**

- 5. Develop and demonstrate depth and breadth of knowledge in chromatography
- 6. To Integrate and impart practical knowledge to the students and evaluate their potential
- 7. To teach different analytical techniques to the students
- 8. To enhance employability of the students by nurturing CV writing skill and interview preparation

### Module 1: Spectroscopic techniques (Lectures 6)

Spectral analysis using Flame photometry, UV, Atomic Absorption, IR and GCMS.

# Module 2: Chromatographic techniques (Lectures 3):

Different chromatographic techniques include, TLC, Column chromatography, Paper chromatography, HPLC, GC, Ion exchange chromatography etc.

### Module 3: Solvent extraction and Volumetric analysis By different methods (Lecture3):

Extraction of samples 1) solid in liquid mixtures and 2) liquid in liquid mixtures

### Module 4: Other Techniques (Lectures 3):

To teach Simple distillation, Fractional distillation, Crystallization, Sublimation Module 5] Practical's (25 L):

- 6. Identifications of functional groups of the compounds by the TLC technique
- 7. Functional group conversion on micro scale and their purification
- 8. Determinations of structures of the synthesized compounds by using Flame photometry, UV, Atomic Absorption, IR and GCMS
- 9. Nanomaterial Synthesis and Characterizations.
- Purification of Compounds by a) Colum chromatography b) Distillation c) Sublimation
   d) Recrystallization.

### References:

1. Instrumental Methods of Chemical Analysis -B.K Sharma

# ARTS, SCIENCE AND COMMERCE COLLEGE INDAPUR, DIST-PUNE

# **STUDENTS NOTICE**

Date: 27/12/2021

All the students of M. Sc. Chemistry those who have taken admission to the value added course "Instrument Handling" are hereby informed that, their regular theory and practical's will be conducted from 4<sup>th</sup> Jan 2022 to 17<sup>th</sup> Jan 2022. Attendance of all students is compulsory.

(Course In charge)

← Principal

Department Of Chemistry Arts, Science & Commerce College, Indapue, Dist. Pune

- 2. Organic spectroscopy -Y.R Sharma
- 3. A Text book of Pharmaceutical Analysis -Kerrenth A. Connors
- 4. Vogel's Textbook of Qualitative Chemical Analysis -A.I. Vogel
- 5. Practical Pharmaceutical Chemistry -A.H. Beckett and J.B. Stenlake
- 6. Organic Chemistry -I. L. Finar
- 7. Organic spectroscopy -William Kemp
- 8. Basic tests for Pharmaceutical substances –WHO (1988)
- 9. Basic tests for Pharmaceutical substances –WHO (1991)
- 10. How to practice GMP's -P.P.Sharma4. The Drugs and Cosmetic Act 1940 -Vijay Malik

# Program Learning Outcomes of the Certificate course in Industrial Skills

- CO-1: To understand basic chromatographic techniques
- CO-2: To know hands on experience of spectral analysis
- CO-3: To understand solvent extraction and volumetric analysis techniques
- CO-4: To learn other techniques like distillation, sublimation and crystallization of solids
- CO-5 To understand basic reactions of functional group interconver

Department Of Chemistry
Arts, Science & Commerce
College, Indapue, Dist. Pune

# Indapr Taluka Shikshan Prasarak Mandals Arts, Science and Commerce College, Indapur Dist. Pune **Department of Zoology Certificate Course in Bird Diversity Syllabus** From Academic Year 2021-22

- 1) Name Of the Teacher Asst. Prof. Sonam Pushparaj Jamdade
- 2) No. of the Period required-30 hours
- 3) Number of Theory periods-12
- 4) Number of practical Period -18
- 5) Brief syllabus of the subject-
  - \*Definition of diversity, habit and habitats of birds.
  - \*External morphology of bird.
  - \*Identification keys of Birds.
  - \*Identification of Birds.
  - \*How to observe birds, Equipment used to observe the bird.
  - \*Nesting of Birds.
  - \*Photography techniques used.

Outcome of Course-Indapur tashil has been enriched with wetland area at Bhigwan as diksal and at the bank of Ujani reservoir. The migration birds visit Indapur areas. These birds can be so that we can understand avian diversity

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INDAPUR-413106 DIST-FUNE

# Arts, Science and Commerce College, Indapur

# Department Of Zoology

### **Notice**

Date-20/08/2021

All the Student who registered their names to 'Certificate Course in Bird Diversity' are hereby informed that their lectures will be started on Thursday, 02/09/2021 in Room No. 78 at 1 pm to 2 pm. It is compulsory to attend the lectures of value added course for getting desired credit.

HOD Dr. J. P. Sarwade M.Sc.,Ph.D.,FZSI

Department of Zoology,
Colonice & Commerce College,
Leopur, Dict. Pune - 413106

Principal
PRINCIPAL
ARTS, SCIENCE AND
COMMERCE CULLEUS
INDAPUR-413106 DIST-PUNE



# Arts, Science and Commerce College, Indapur

# Department Of Zoology

### Notice

Date-25/08/2021

All the Student who registered their names to 'Certificate Course in Bird Diversity' are hereby informed that their Practical's will be started on Saturday, 04/09/2021 in Room No.77 at 1 pm to 5 pm. It is compulsory to attend the Practical's of value added course for getting desired credit.

Dr. J. P. Sarwade
M.Sc.,Ph.D.,FZSI
Head
Department of Zoology

Department of Zoology, Serice & Commerce College, our, Dist. Pune - 413106 Principal
PRINCIPAL
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# Arts, Science And Commerce College, Indapur

# **Department Of ZOOLOGY**

**Notice for Student** 

Date-25/08/2021

All the Student who registered their names to 'Certificate Course in BLOOD GROUP ANALYSIS' are hereby informed that their Practical's will be started on Saturday, 04/09/2021 in Room No.59 at 1 pm to 5 pm. It is compulsory to attend the Practical's of value added course for getting desired credit.

HOD

Dr. J. P. Stand of M. Schall D. F. T. Head

Department of Zoology, Arts, Science & Commerce College, Indapur, Dist. Pune - 413106 Principal
PRINCIPAL
ARTS, SCIENCE AND
COMMERCE COLLEGE
NDAPUR-413106 DIST-PUNE



# Arts, Science And Commerce College, Indapur

# **Department Of ZOOLOGY**

# **Notice for Student**

Date-25/08/2021

All the Student who registered their names to 'Certificate Course in BOOLD GROUP ANALYSIS' are hereby informed that their lectures will be started on Thursday, 02/09/2021 in Room No. 78 at 1 pm to 2 pm. It is compulsory to attend the lectures of value added course for getting desired credit.

HOD

Head

Department of Zoology,
Arts, Science & Commerce College,
Indapur, Dist. Pune - 413106

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# Arts, Science And Commerce College, Indapur

# Department Of ZOOLOGY

# **Notice for Student**

Date-25/08/2022

All the Student who registered their names to 'Certificate Course in BLOOD GROUP ANALYSIS' are hereby informed that their lectures will be started on Thursday, 02/09/2022 in Room No. 76 at 1 pm to 2 pm. It is compulsory to attend the lectures of value added course for getting desired credit.

Dr. HODsarwade M.Sc.,Ph.D.,FZSI Head

Department of Zoology, Arts, Science & Commerce College, Indapur, Dist. Pune - 413106 Principal
PRINCIPAL
ARTS, SCHENCE AND
COMMERCE COLLEGE
INDAPUR-413106 DIST-PUNE

# Arts, Science And Commerce College, Indapur

# **Department Of ZOOLOGY**

# **Notice for Student**

Date-25/08/2022

All the Student who registered their names to 'Certificate Course in BLOOD GROUP ANALYSIS' are hereby informed that their Practical's will be started on Saturday, 03/09/2022 in Room No.76 at 1 pm to 5 pm. It is compulsory to attend the Practical's of value added course for getting desired credit.

HOD

M.Sc.,Ph.D.,FZSI Head Department of Zoology, Arts, Science & Commerce Collage, Indapur, Dist. Pune - 413106

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NDAPUR-413106 DIST-PUNE

# Indapur TalukaShikshanPrasarakMandal's Arts, Science and Commerce College, Indapur Department Of Botany

Certificate Course on Plant Propagation Techniques
Academic Year (2021-2022)

### **Student Notice**

All the Students of S.Y.B.Sc. are hereby noticed that our department started certificate course on Plant Propagation Techniques for academic year 2021 -22. This course is open for all S.Y.B.Sc. students.

Above course will be started from 03/02/2022 upto 18/02/2022. Interested students fill registration form and submit to department before 01/02/2022. Contact to department for more details.

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ARTS, SCHOOL BOLL BOLL BY STANDS OF THE SCHOOL BY STAN

(Prof. Mahadik B.B)

Papadment of Botany Arts, Science & Compa-College,Indoor

# Art's, Science & Commerce College, Indapur

# Department Of Botany

# **Syllabus**

# Plant Propagation Techniques (40 Lectures)

### Objectives-

- 1. Enable the students to identify vegetative plant parts like root, Stem, leaves or modified parts used for Propagation.
- 2. Provide hands on training for plant propagation method like Cutting, Grafting, Budding & Layering.
- 3. To give information about commercial importance of propagation methods used for horticultural crops,
- 4. To give laboratory experience, being able to perform plant propagation methods on a plant.
- 5. To learn the prospect & scope of Plant Propagation techniques in small scale industry.
- 6. Help the students to learn a means of self-employment and income generation.

### Credit I

# Unit -1: Basic concepts of propagation

(3 Lectures)

1.Propagation: Definition, need and potentialities for plant multiplication; 2. Propagation facilities: Mist chamber, humidifiers, greenhouses, glasshouses, cold frames, hot beds, polyhouses, 3. Identification and propagation by division and separation: Bulbs, pseudo bulbs, corms, tubers and rhizomes; runners, stolon, suckers and offsets.

# Unit -3: Propagation by cuttings

(4 Lectures)

1. Cuttings: Definition, different methods of cuttings; root and leaf cuttings. 2. Stem cuttings: Definition of stem tip and section cuttings; plant propagation by herbaceous, soft wood, semi hard wood, hard wood and coniferous stem cuttings. 3. factors influencing rooting of cuttings; Use of plant growth regulators in rooting of cuttings.

### Unit -4: Propagation by layering

(4 Lectures)

# ARTS, SCIENCE AND COMMERCE COLLEGE INDAPUR, DIST-PUNE

# **STUDENTS NOTICE 2021-22**

Date: 03/01/2022

All the students of F.Y.B.Sc and T.Y.B.Sc. Those who have taken admission to the add-on course "FERMENTATION PROCESS AND PRODUT" are hereby informed that, their regular theory and practicals will be conducted from 05\01\2022 to18\01\2022 Attendance of all students is compulsory.

Bhosale

Incharge
Science Faculty
Arts, Science & Commerce
College, Indapur, Dist Pune



- Lactic acid fermentation. Yeast strains and bacteria convert starches or sugars into lactic acid, requiring no heat in preparation. ...
- Ethanol fermentation/alcohol fermentation. ...
- Acetic acid fermentation.

# **Learning Objectives:**

- The students are expected to study
- 1. Knowing importance of the subject from the point of rural economy.
- 2. Knowing fermentation process
- 3. Understanding types of fermentation process
- 4. Understanding fermentation processes and various nutrients-role for the human
- 5. Knowing various fermentation product.

# Reference:

- Achi OK, Asamudo NU (2019) Cereal-based fermented foods of africa as
- functional foods. In: Mérillon JM, Ramawat K (eds) Bioactive molecules
- in food. Reference series in phytochemistry. Springer. Cham. https://doi.
- org/ 10. 1007/ 978-3- 319- 78030-6\_ 31
- Adams MR (1998) Fermented weaning foods. In: Wood BJB (ed) Microbiology
- of Fermented Foods. Springer, Boston. https://doi.org/10.1007/978-1-
- 4613-0309-1 25

Course Incharge



# Arts, Science and Commerce College, Indapur

# **Department of Statistics**

# Value added course

2021-22

# Course Title: R-Programming

2- Credit

# **Course Objectives**

1. Acquire knowledge in essential programming skills in R.

2. Visualize a given data, perform descriptive analysis and carry out a project using R Programming.

### **Course Outcomes**

After successful completion of the course, a student will be able to perform the following using R Programming

CO1: Demonstrate basic programming skills in R

CO2: Describe and illustrate the data

**CO3:** Design and carryout a project with statistical analysis using R Programming and present the report.

# **SYLLABUS**

### UNIT - I

Introduction to R: - Overview, Environment Setup, Basic Syntax, Data types.

R Basics: – Variables, Operators, Decision Making, Loops, Functions, Strings, Vectors, Lists, Matrices, Arrays, Factors, Data Frames, Packages.

### UNIT - II

Data visualisation: – Pie Charts, Bar Charts, Area Charts, Bubble Charts, Surface charts, , Waterfall charts, Box Plots, Violin plots, Histograms, Line Graphs, Scatter plots, Matrix plots:

Statistical Analysis in R: – Descriptive statistics: measures of central tendency, measures of dispersion, partition values, moments, skewness and kurtosis, Regression.

Department Of Statistics Arts, Science & Commerce College Indapur(Pune) 93net Pulica

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INDAPUR-413106 DIST-PUNE

# Arts, Science And Commerce College, Indapur

# **Department Of Statistics**

# Value added Course in R-Programming

2021-22

Timetable

| Time          | Friday | Saturday  |
|---------------|--------|-----------|
| 12 Pm To 1 Pm | Theory | -         |
| 2 Pm To 3 Pm  | -      | Practical |

HODAD

Department Of Statistics Arts, Science & Commerce College Indapur(Pune) Principal
PRINCIPAL
ARTS, SCIENCE AND
COMMERCE COLLEGE
INDAPUR-413106 DIST-PUNE

# Arts, Science And Commerce College , Indapur Department Of Commerce

# Notice for Student

Date-10/02/2022

All the Student who registered their names to 'Certificate Course Of Tally ERP 9' are hereby informed that their lectures will be started on Tuesday, 15/02/2022 in Room No. 85 at 1.00 pm to 5.00 pm. It is compulsory to attend the lectures of value added course for getting desired credit.

HOD

Head
Department Of Commerce
Arts, Science and Commerce College,
Indapur, Dist. Pune-413106

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Principal
PRINCIPAL
ARTS, SCIENCE AND
COMMERCE COLLEGE
INDAPUR-413106 DIST-PUNE

# Arts, Science And Commerce College, Indapur

# Department Of Commerce

# S.Y. B.com

# **Notice for Student**

Date-06/04/2022

All the Student who has registered their names for 'Certificate Course in 'MS- Office' are hereby informed that their lectures will be started on Tuesday 11/04/2023 in Room No. 48 at 11 pm to 2 pm. It is compulsory to attend the lectures of certificate course for getting desired credit.

Department of Commerce
Arts, Same and Commerce College,
Indapur, Dist, Pune-413106

Principal

# Arts, Science and Commerce College, Indapur

# **Department Of Commerce**

### S.Y. B.com

# **Practical Notice for Student**

Date-13/04/2022

All the Student who has registered their names for 'Certificate Course in 'MS- Office' are hereby informed that their lectures will be started on Saturday 19/04/2022 in Room No. 48 at 11 pm to 1 pm. It is compulsory to attend the lectures of certificate course for getting desired credit.

Denamical Of Symmetrice Arts. Solomorphis Dury Phys. Phys. 413106

Principal



# Arts, Science And Commerce College, Indapur

# **Department Of Commerce**

# **Notice for Student**

Date-12/05/2022

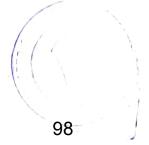
All the Student who registered their names to 'Certificate Course Of Share Market' are hereby informed that their lectures will be started on Tuesday , 17/05/2022 in Room No. 84 at 2.00 pm to 5.00 pm. It is compulsory to attend the lectures of value added course for getting desired credit .

HOD

Head
Department Of Commerce
Arts, Science and Counteree College,
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### Arts, Science And Commerce College, Indapur

### **Department of Commerce**

### Certificate course of Share Market

Syllabus (2 Credits)

Academic Year 2021-22

Resource Person: - Mr.Gautam Yadav Date: - 17/05/2022 to 21/05/2022

Topic: Introduction of Shares & Debentures

# **Meaning of Shares**

- Equity share
- Preference share

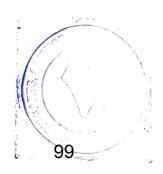
# **Meaning of Debentures**

- Secured Debentures
- Convertible Debentures
- Unsecured Debentures
- Registered Debentures
- Non-convertible Debentures
- Bearer Debentures

### How do you classify debentures?

Debentures can be classified in the following ways:

- 1. Based on tenure or redemption
- 2. Based on convertibility
- 3. Based on security
- 4. Based on transferability
- 5. Based on interest rate
- 6. Based on mode of redemption
- 7. Based on coupon rate



# इंदाप्र तालुका शिक्षण प्रसारक मंडळाचे

# कला विज्ञान आणि वाणिज्य महाविद्यालय इंदापूर जिल्हा पुणे

# भ्गोल विभाग

विद्यार्थ्यांसाठी सूचना

दिनांक.१८/०३/२०२२

महाविद्यालयातील भूगोल विभागातील विद्यार्थ्यांना कळविण्यात येते की भूगोल विभागाने शैक्षणिक वर्ष 2021-22 मध्ये भौगोलिक माहिती प्रणाली या विषयावर चार क्रेडिटचा प्रमाणपत्र कोर्स आयोजित केलेला आहे दिनांक 11/04/2022 ते 30/04/2022 या कालावधीत आयोजित केलेला आहे. हा कोर्स भूगोल विभागातील विद्यार्थ्यांसाठी आवश्यक आहे तरी या कोर्ससाठी विद्यार्थ्यांनी विद्यार्थ्यांनी नाव नोंदणी करून वेळापत्रकानुसार शाहीर अमर शेख सभागृहात हजर राहावे. जे विद्यार्थीं हजर राहतील आणि या कोर्सची परीक्षा देतील त्याच विद्यार्थ्यांना गुण आणि प्रमाणपत्र दिले जाईल याची विद्यार्थ्यांनी नोंद घ्यावी.

प्रा. दत्ताच्य देवकर कोर्स समन्वयक डॉ. गजानन ढोबळे

Department

Arts, Science and Commerce College, Indapur, Dist- Pune- 413106

**ड**ॉ. संजय चाकणे

प्राचार्य

कला,विज्ञान आणि वाणिज्य महाविद्यालय,इंदापूर,जि.पुणे



# Indapur Taluka Shikshan Prasarak Mandal's Arts, Science and Commerce College, Indapur, Dist. Pune

# **Department of Geography**

# Certificate Course on Geographic Information System (GIS)

(Academic Year 2021-22)

# **Syllabus**

## Objectives of certificate course

- 1. To acquaint the students with new concepts in GIS.
- 2. To familiarize the students with the wide application fields in Geography.

#### **Certificate Course Outcomes**

- 1. Understand the concept, advantages and importance of GIS.
- 2. Gain knowledge about the various projections.
- 3. Know about sources and types of data.
- 4. Develop ability of attribute linking in GIS for specific purposes in geographical and other areas
- 5. Develop practical skills about geo-referencing, TIN spatial analysis and topographical analysis.
- 6. Know about application of query analysis techniques in GIS.

#### No. of Credits = 04

#### No. of Periods = 60

| Sl. no. | Topic                               | Sub topic  | Learning points   | Periods |
|---------|-------------------------------------|--|---|---------|
| 1       | Introduction to GIS                 | Definition,<br>Components<br>and Functions<br>of GIS | <ol> <li>Definition of GIS</li> <li>Scope and importance of GIS</li> <li>History of GIS</li> <li>Components of GIS</li> <li>Function of GIS: GIS task - Input,<br/>Manipulation, Management, Query<br/>analysis, Visualization</li> </ol>   | 10      |
| 2       | Map<br>Projection                   | Definition and<br>Classification of<br>Projection    | <ol> <li>Size and shape of the earth</li> <li>Definition of Map Projection</li> <li>Classification of Map Projection</li> </ol>   | 10      |
| 3       | Sources and<br>types of GIS<br>Data | Sources and<br>Types, Data<br>Models                 | <ol> <li>Toposheet, Surveying, Aerial<br/>Photographs, Satellite data and<br/>images</li> <li>Data types - Spatial and Non-Spatial</li> <li>Raster data and their characteristics</li> <li>Vector data and their characteristics</li> </ol> | 10      |

कला, विज्ञान आणि वाणिज्य महाविद्यालय, इंदापूर, जिल्हा पुणे.

# भगोल विभाग

सुचना

# प्रमाणपत्र कोर्स

दि. 11/02/2022

भूगोल विभागाच्यावतीने आयेजित केलेल्या प्रमाणपत्र कोर्ससाठी नाव नोंदणी केलेल्या महाविद्यालयातील सर्व विद्यार्थ्याना कळविण्यात येते की, सदर कोर्स्में बळवार दि . 15/02/2022 पासून सरू होत असून त्याचे सर्व तास अमर शेख सभागृहात होतील . तासाला उपस्थित राहण्यासाठी महाविद्यालयाचे ओळखपत्र जवळ असणे अनिवार्य आहे . सर्व तासाला १०० टक्के उपस्थिती अनिवार्य आहे . १०० टक्के उपस्थिती असणा-या विद्यार्थ्यानाच प्रमाणपत्र मिळेल . तरी सर्व विद्यार्थ्यानी वेळापत्रकानुसार तासाला उपस्थित रहावे .

डॉ. गजानन ढोबळे

0

Head
Department of Geography
Arts, Science and Commerce College,
Indapur, Dist- Pune- 413106

डॉ. संज्या चाकणे प्राचार्य कला,विज्ञान आणि वाणिज्य महाविद्यालय,इंदापूर,जि.पुणे



# Indapur Taluka Shikshan Parsark mandal's Art, Science and Commerce College, Indapur Department of Economics Certificate Course Digital Banking

Date: 01/01/2022

#### Notice

This is to inform to concern students who are participated add on course for certificate course in digital banking lecture will be start from 10 Jan. to 2 February 2022. All concern students must attend lectures.

Head

Department of Economics A.S.C.College,Indapur, Dist.Pune.413106



#### Indapur Taluka Shikshan Prasarak Mandal's

# Arts Science & Commerce College, Indapur Dist. Pune

# Department Of Economics Academic Year 2021-22

# Syllabus of Add-on Course

# Certificate Course in Digital Banking

Total Credit: 04

Total No. of Lectures: 60

#### Objectives:

- To develop the working capability of students in banking sector
- To Make the Students aware of Banking Business and practices.
- To enlighten the students regarding the new concepts introduced in the banking system.

| Unit No. | Topic Name     | Sub Topic  | No. of Lectures |
|----------|----------------|--|-----------------|
|          | Origin,        | Meaning, Definition and Origin of 'Bank',<br>Evolution of Banking in Europe and Asia,  |                 |
| 1.       | Meaning and    | Evolution of Banking in India, Structure of Indian Banking System  |                 |
|          | definition of  |  | 15              |
|          | Bank           |  |                 |
| 2.       | Procedure for  | Procedure for Opening of Deposit Account:<br>Know Your Customer Norms, (KYC Norms),  |                 |
|          | Opening and    | Application Form, Introduction, and Proof of Residence, Specimen Signature, and  |                 |
|          | operating an   | Nomination Facility: Their Importance. No Frill Account  |                 |
|          | account        | Procedure for Operating Deposit Account: Pay-in-slip, Withdrawal slip, Issue of Pass Book, (Current, Savings or Recurring Deposit), Issue of Cheque Book, Issue of Fixed Deposit Receipt, Premature encashment | 15              |
|          |                | of a Fixed Deposit and Loan against Fixed Deposit. Recurring Deposit: Premature encashment and loan against Recurring Deposit.   |                 |
| 3.       | Use of modern  | Automated Teller Machine (ATM) – onsite  |                 |
|          | technology in  | and offsite ATM, Cash Deposit machine (CDM), Cheque Deposit machine, Passbook  |                 |
|          | banking Sector | 1  | 15              |

फुला, विनान सामि वामिस महाविद्यात्र्य, हरापूर जि. पुने

मराठी विभाग आयोगिन व्यक्तीमत्व विद्यास कार्यक्राका विद्याशी यूचना १६ ०५/५/२०२२

महानिकालमानील सर्व निकालना केळिनिकान येने डी,
ादि. 17/05/2022 ते 26/5/2022 या छालावधीन मयठी
निमाठााज्यन त्यां क्रीमत्व निकास छायेशाळेले आयोजिन
करणान आले आहे. सदर डार्यशाळेन सहमागा होक इन्हिणात्रा निकाश्यांनी आपली नार्व दि. 12/5/2022
पर्यत डी. राज्युमार शेळार र्यंच्यांडेंड नींदवावीन.

मेराडी विभाग प्रमुख ठी. यजाराम ठावडे

THE SCHOOL STORY OF THE SC

डा. जीवन मखर principal

PRINCIPAL
ARTS, SCIENCE AND
COMMERCE COLLEGE
INDAPUR-413106 DIST-PUNE

मराठी विभाग प्रमुख कला,विज्ञान आणि वाणिव्ह पटाविकालय इंदापर जि. पणे

# बी. ए. तृतीय वर्ष कला( शैक्षणिक वर्ष 2021-2022)

# पाठ्यक्रम :- व्यक्तिमत्त्व विकास

# उद्देश्य :-

- 1) विद्यार्थांच्या व्यक्तिमत्त्वाचा विकास
- 2) विद्यार्थांना मानसिक तणावाने महत्व
- 3) प्रेरणेचे महत्व

4) विदयार्थांमध्ये संप्रेक्षण कौशल्याचा विकास

| 4) विद्य | ाथामध्य सपक्षण काशल्याचा विकास   | process of processors for the second service of |
|----------|--|---|
| घटक      | पाठ्यक्रम विषय   | तास   |
|          | 1) व्यक्तीमत्त्व म्हणजे काय?<br>A) व्यक्तीमत्त्व प्रभाव पडणारे घटक                                     |   |
| घटक-1    | B) व्यक्तीमत्त्व संबंधी असणारे गैर समज<br>C) सिम्मंड फ्राईडचा व्यक्तीमत्त्व विषयक मनोविश्लेषण सिध्दांत | 10  |
|          | D) कार्ल युंगचा व्यक्तीमत्त्व सिध्दांत   |   |
|          | E ) फ्रिडेमन आणि रोझेनमन यांचा सिध्दांत -Type- A आणि   | y. •  |
|          | Type – B Swot- विश्लेषण  |   |
|          |  |   |
|          | 2) ताण आणि ताण व्यवस्थापन  |   |
|          | A) ताण :- व्याख्या, स्वरुप, ताणची उगमस्थाने  |   |
| घटक-2    | B) मानसिक ताणु आणि मानसिक ताणचे परिणाम   | 10  |
|          | C) ताणचे व्यवस्थापन  |   |
|          |  |   |
|          | 3) प्रेरणा आणि प्रेरणा संघ <b>र्ष</b>  |   |
|          | A) प्रेरणा :- व्याख्या, स्वरुप, प्रेरणा चक्र   |   |
|          | B) प्रेरणेचे प्रकार :-   |   |
|          | 1) शारीरिक प्रेरणा   | , ·   |
|          | 2) सामाजिक प्रेरणा   |   |
| घटक-3    | 3) मानसिक प्रेरणा  | 10  |
|          | 4) अबोध प्रेरणा  | 10  |
|          | C) वैफल्य आणि मानसिक प्रेरणा संघर्षाचे प्रकार  |   |
|          | 1) वैफल्य :- व्याख्या आणि करणे   |   |
|          | 2)मानसिक प्रेरणा संघर्षाचे प्रकार  |   |
|          | a) प्रगमन- प्रगमन संघर्ष   |   |
|          | b) वर्जन - वर्जन संघर्ष  |   |
|          | c) प्रगमन-वर्जन संघ <b>र्ष</b>   |   |
|          | d) बह्विधा प्रगमन-वर्जन संघर्ष   |   |

# कला, विज्ञान एवं वाणिज्य महाविद्यालय, इंदापुर

तिथि- 07/05/2022

# सूचना

छात्रों को सूचित किया जाता हैं कि महाविद्यालय में हिंदी विभाग द्वारा 10 मई 2022 के दिन कला, विज्ञान एवं वाणिज्य महाविद्यालय में सावित्रीबाई फुले विश्वविद्यालय पुणे पाठ्यक्रम के उपलक्ष्य में उर्दू लिपि प्रशिक्षण का आयोजन किया गया है। सभी छात्रों को सूचित किया जाता है कि यह कोर्स हिंदी विभाग में 10 मई 2022 को सुबह 11 बजे शुरू हो रहा है। आपकी उपस्थिति अनिवार्य है।



डॉ.एस.एन.पवार हिंदी, विभाग प्रमुख कला दिलान काम क्रिय महाविद्यास्य इंदापूर्वितुरी भागाव

# कला, विज्ञान एवं वाणिज्य महाविद्यालय, इंदाप्र

# हिंदी विभाग

(शैक्षिक वर्ष - 2021-22)

# अनुवाद प्रमाणपत्र पाठ्यक्रम (Certificate Course in Translation)

# उद्देश्य :

- 1. अनुवाद के स्वरूप, प्रकार एवं महत्व को अवगत कराना।
- 2. छात्रों में अनुवाद कौशल विकसित कराना।
- 3. हिंदी-मराठी-अंग्रेजी भाषाओं के पारस्पारिक अनुवाद संबंधी मार्गदर्शन एवं अभ्यास कराना।
- 4. अनुवाद के व्यावहारिक पक्ष से छात्रों को अवगत कराना।

# साध्य :

- 1. अनुवाद के स्वरूप, प्रकार एवं महत्व से छात्र अवगत हुए।
- 2. छात्रों में अनुवाद कौशल विकसित हुआ।
- 3. हिंदी-मराठी- अंग्रेजी भाषाओं में अनुवाद कार्य संभव ह्आ ।
- 4. अनुवाद के व्यावहारिक पक्ष से छात्र परिचित हुए।



# Indapur Taluka Shikshan Prasarak Mandal's ARTS, COMMERCE AND SCIENCE COLLEGE, INDAPUR

Tal. Indapur, Dist. Pune,



Department of History

CERTIFICATE COURSE IN MODI SCRPT : BROCHUR

Academic Year: २०२१-२२

Course Coordinator

Prof. Vidya Gaikwad

Dr. Jeevan Saravade

ya Gaikwad Dr. Jeevan Sara ARTS, COMMERÇE AND PURENCE COLLEGE, INDAPUR

Tal. Indapur, Dist. Pune,

Mobile No: 9850097840

Tal. Indapur, Dist. Pune,

दिनांक: 03/01/2022

# विद्यार्थी सूचना

महाविद्यालयातील बी.ए. पदवीच्या वर्गातील विद्यार्थ्यांना सूचित करण्यात येते की, राज्यशास्त्र विभागाने शैक्षणिक वर्ष 2021-22 मध्ये 'राजकीय पत्रकारितेची ओळख' या विषयावर 2 क्रेडिटचा Value Added Course दिनांक 12/01/2022 ते 22/01/2022 या कालावधीत रूम नं. 27 मध्ये आयोजित केलेला आहे. हा कोर्स या विषयास प्रवेश घेतलेल्या विद्यार्थ्यांसाठी अनिवार्य (Compulsary) आहे. सदर कोर्सला अनुपस्थित राहिल्यास होणाऱ्या नुकसानीस सर्वस्वी विद्यार्थी जबाबदार राहील याची विद्यार्थ्यांनी नोंद घ्यावी.

DR. DIGAMBAR BIRADAR ABILIT OF POLITICAL SCIENCE, ENCE & COMMERCE, COLLEGE, INDAPUR, TAL. INDAPUR DIST-PUNE

ARTS, SCIENCE AND COMMERCE COLLEGE INDAPUR-413 106 DIST-PUNE



# Indapur Taluka Shikshan Prasarak Mandal's, **Arts, Science & Commerce College Indapur**

# **Department of Political Science**

# Value Added Course Name: "Introduction to Political Journalism" **Syllabus**

## **Objectives:**

This Value Added course is designed to acquaint students with the -

- 1. Complex relationship between the communication, media and power politics.
- 2. To Introduce Print, Electronic and Web media.
- 3. Maharashtra context of political Journalism

# Unit 1: An introduction to Political Journalism

- a) Definition and Meaning
- b) Scope of Political Journalism
- c) Value of Ideal Journalism

#### Unit 2: Agencies / Medium of Political Journalism

a) Print Media

- b) Electronic Media
- c) Web Media

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दिनांक: 01/04/2022

# विद्यार्थी सूचना

महाविद्यालयातील राज्यशास्त्र विभागातील टी.वाय.बी.ए. वर्गातील सर्व विद्यार्थ्यांना सूचित करण्यात येते की, राज्यशास्त्र विभागाने शैक्षणिक वर्ष 2021-22 मध्ये ' आम्ही घडू देशासाठी 'या विषयावर 4 क्रेडिटचा प्रमाणपत्र कोर्स दिनांक 04/04/2022 ते 16/04/2022 या कालावधीत आयोजित केलेला आहे. हा कोर्स टी.वाय.बी.ए.या वर्गातील विद्यार्थ्यांसाठी अनिवार्य (Compulsary) आहे. तरी सर्वांनी उपस्थित राहणे अनिवार्य आहे. सदर कोर्सला अनुपस्थित राहिल्यास होणाऱ्या नुकसानीस सर्वस्वी जबाबदार राहील याची विद्यार्थ्यांनी नोंद घ्यावी.

DR.DIGAMBAR BIRADAR

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COMMERCE SE SIGNATURE
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दिनांक: 11/02/2022

# विद्यार्थी सूचना

महाविद्यालयातील बी.ए., बी.कॉम., बी.एस्सी.पदवीच्या वर्गातील विद्यार्थ्यांना सूचित करण्यात येते की, राज्यशास्त्र विभागाने शैक्षणिक वर्ष 2021-22 मध्ये ' आम्ही घडू देशासाठी 'या विषयावर 2 क्रेडिटचा Value Added Course दिनांक 15/02/2022 ते 24/02/2019 या कालावधीत आयोजित केलेला आहे. हा कोर्स या विषयास प्रवेश घेतलेल्या विद्यार्थ्यांसाठी अनिवार्य (Compulsary) आहे. सदर कोर्सला अनुपस्थित राहिल्यास होणाऱ्या नुकसानीस सर्वस्वी विद्यार्थी जबाबदार राहील याची विद्यार्थ्यांनी नोंद घ्यावी.

PRINCIPAL
ARTS, SCIENCE AND

COMMERCE COLLEGE INDAPUR-413106 DIST-PUNE

DR.DIGAMBAR BIRADAR

HOD & Ph.D. RESEARCH GUIDE
DEPARTMENT OF POLITICAL SCIENCE,
ARTS, SCIENCE & COMMERCE, COLLEGE,
INDAPUR, TAL. INDAPUR DIST-PUNE



# Indapur Taluka Shikshan Prasarak Mandal's Arts, Science and Commerce College Indapur Dist: Pune Department of BBA (CA)

# Certificate in Computer Typing Basic Course English 30 w.p.m. (Academic Year 2019-20 to 2023-24) **Syllabus**

#### \* Objective:

- To provide typing skills.
- To introduce the student's shorthand typing.
- To merge Typing and latest Computer course so that student can work in highly competitive world.
- To design the course and exam in such way that student will get deep understanding on typing and latest computer software's and technology which has been using in government and private organization.

## Course Outcomes

- Help the students improve their typing skills
- Help the students learn to take dictations and notes using short-hand.

#### ❖ Syllabus:

Basic course is designed to cover latest technology and software in the market which will help student to work in any environment.

The proposed course designed such that the basic subjects of computer are covered precisely. In the proposed course entire MS-OFFICE 2010 has covered in detail. This course has detail practical session which will increase the confidence of the student. The syllabus of this course as follows.

No. of Credits: 2

No. of Lecture/ Practical: 10

| 1.0 Typing syllabus                                | Duration | Marks    |               |
|--|----------|----------|---------------|
| 1.1 Keyboard Awareness Like Typewriter             |          | <u> </u> | Passing Marks |
| 1.1.1 Practice of Typing Words Drill for 30 W.P.M. |          | 07 Marks |               |
| 1.1.2 Sentence Writing /Typing PracticeFor 30      |          | 07 Marks |               |
| W.P.M.   | 5 Days   | 07 Warks | 10 Marks      |
| 1.1.3 Passage Typing Practice For 30 W.P.M. Speed  |          | 06 Marks | - Turks       |
| Total (1.1.1+1.1.2+1.1.3)                          | _        |          |               |
| 1.2 Letter /Curriculum Vitae /StatementPage and    |          | 20 Marks |               |
| Type Setting & Practice                            | 4 Days   | 15 Marks |               |
| 1.3 Statement / Mark Sheet Setting And Practice    |          |          |               |
| and soming that the the                            |          | 10 Marks |               |
| 1.4 E-Mail / Fax Etiquettes                        | 1 Days   |          | 15 Marks      |
|  | 1 Days   | 05 Marks |               |
| Total (1.2+1.3+1.4)                                | -        | 30 Marks |               |
| Total  | 10 Days  | 50 Marks | 25 Marks      |

## ITSPM'S

# Arts, Science And Commerce College , Indapur Department Of BBA(CA)

# **Notice for Student**

Date-05/02/2022

All the Students of SYBBA(CA) & TYBBA(CA) who registered their names to 'Certificate in Computer Typing Basic Course English 30 w.p.m.' are hereby informed that their lectures will be started on 10/02/2022 in Room No. 87 at 1 pm to 2 pm & Prcaticals started on 10/02/2022 in Room No.42(Computer Lab) at 02 pm to 03 pm. It is compulsory to attain the lectures of value added course for getting desired credit.

Add-on Incharge

Principal
PRINCIPAL
ARTS, SCIENCE AND
COMMERCE COLLEGE
INDAPUR-413106 DIST-PUNE

# Indapur Taluka Shikshan Prasarak Mandal's Arts, Science and Commerce College Indapur Dist: Pune Department of BBA (CA)

# Certificate in Microsoft Office Automation (Word, Excel, PowerPoint) (Academic Year 2019-20 to 2023-24) Syllabus

#### \*Objective:

- This application provides all knowledge in MS-office that is useful in any organization and Institute.
- To design the course and exam in such way that student will get deep understanding on MS OFFICE and latest computer software's and technology which has been using in government and private organization.

#### **Course Outcomes**

- This is commonly utilization in any business or organization and thus maintain the demand for professional level and provide font end office job with high paying.
- Help the students improve their knowledge.
- Help the students learn to take dictations and notes using short-hand.

#### Course Contents-

- o MS-Excel,
- o MS-Word,
- o MS- PowerPoint,
- o MS-Access Skill

#### \* Methodologies-

- Descriptive Method (Theory)
- Experimental (Practical)
- Evaluation:
- Test on each Topic
- Practical Test
- Final Exam

No. of Credits: 2

No. of Lecture/ Practical: 10

# ITSPM'S

# Arts, Science And Commerce College, Indapur

# **Department Of BBA(CA)**

# **Notice for Student**

Date- 25/02/2022

All the Students of FYBBA(CA) who registered their names to 'Certificate in Microsoft Office Automation (Word, Excel, PowerPoint)' are hereby informed that their lectures will be started on 03/03/2022 in Room No. 87 at 1 pm to 2 pm & Preaticals started on 05/03/2022 in Room No.42(Computer Lab) at 02 pm to 03 pm. It is compulsory to attain the lectures of value added course for getting desired credit.

Add-on Incharge

6

**Principal** 

PRINCIPAL ARTS, SCIENCE AND

COMMERCE COLLEGE INDAPUR-413106 DIST-PUNE

# बी. ए. तृतीय वर्ष कला( शैक्षणिक वर्ष 2021-2022)

पाठ्यक्रम :- व्यक्तिमत्त्व विकास

उद्देश्य :-

- 1) विद्यार्थाच्या व्यक्तिमत्त्वाचा विकास
- 2) विद्यार्थाना मानसिक तणावाने महत्व
- 3) प्रेरणेचे महत्व
- 4) विद्यार्थामध्ये संप्रेक्षण कौशल्याचा विकास

|       | विकास  |     |
|-------|--|-----|
| घटक   | पाठ्यक्रम विषय   | तास |
| घटक-1 | 1) व्यक्तीमत्त्व म्हणजे काय?  A) व्यक्तीमत्त्व प्रभाव पडणारे घटक  B) व्यक्तीमत्त्व संबंधी असणारे ग्रेर समज  C) सिम्मंड फ्राईडचा व्यक्तीमत्त्व विषयक मनोविश्लेषण सिध्दांत  D) कार्ल युंगचा व्यक्तीमत्त्व सिध्दांत  E) फ्रिडेमन आणि रोझेनमन यांचा सिध्दांत -Type- A आणि  Type – B Swot- विश्लेषण   | 10  |
| घटक-2 | 2) ताण आणि ताण व्यवस्थापन A) ताण :- व्याख्या, स्वरुप, ताणची उगमस्थाने B) मानसिक ताणु आणि मानसिक ताणचे परिणाम C) ताणचे व्यवस्थापन   | 10  |
| घटक-3 | 3) प्रेरणा आणि प्रेरणा संघर्ष A) प्रेरणा :- व्याख्या, स्वरुप, प्रेरणा चक्र B) प्रेरणेचे प्रकार :- 1) शारीरिक प्रेरणा 2) सामाजिक प्रेरणा 3) मानसिक प्रेरणा 4) अबोध प्रेरणा C) वैफल्य आणि मानसिक प्रेरणा संघर्षाचे प्रकार 1) वैफल्य :- व्याख्या आणि करणे 2)मानसिक प्रेरणा संघर्षाचे प्रकार a) प्रगमन-प्रगमन संघर्ष b) वर्जन - वर्जन संघर्ष c) प्रगमन-वर्जन संघर्ष d) बहुविधा प्रगमन-वर्जन संघर्ष | 10  |

# Indapur Taluka Shikshan Prasarak Mandal's

# ARTS, COMMERCE AND SCIENCE COLLEGE,

INDAPUR. Tal. Indapur, Dist. Pune, .

Department of History

# CERTIFICATE COURSE IN MODI SCRIPT

Online Mode through Google Meet

Academic Year: 2020-21

- 1] Student's Notice.
- 2] Brochure / Syllabus.
- 3] Schedule of Contact Sessions.
- 4] Participant Attendance Sheet.
- 5] Specimen Certificate.
- 6] Report.

| Class | Student Participation |
|-------|-----------------------|
| FYBA  | 23                    |
| SYBA  | 17                    |
| TYBA  | 13                    |
| MAI   | 17                    |
| MAII  | 08                    |
| Total | 78                    |

इतिहास विभाग प्रमुख केला विज्ञान अलि वाणिज्य महाविद्यालय इदापूर, जि. पूर्णे



PRINCIPAL

ARTS, SCIENCE AND

COMMERCE COLLEGE

NDAPUR-413106 DIST-PUNE

# Prospectus

# अनुक्रमणिका [Index] :-

| 1- विभागाचा परिचय [Introduction to the Department] |
|--|
| 2-शिक्षणक्रमा विषयी [About Syllabus]               |
| 3-प्रवेशपात्रता [Eligibility for Admission]        |
| 4-अभ्यासक्रमाचा कालावधी [Course Duration]          |
| 5-अभ्यासक्रमाचे माध्यम [Course Medium]             |
| 6-शिक्षणक्रमाची संरचना [Syllabus Structure]        |
| 7- अध्ययन पद्धती [Study Methods]                   |
| 8-मूल्यमापन प्रक्रिया [Evaluation Process]         |
| 8.1- अंतर्गत मूल्यमापन [Internal Evaluation]       |
| 8.2- अंतिम परीक्षा [Final Exam]                    |
| 9- श्रेयांक[Credits]                               |
| 10-विशेष सूचना [Special Notice]                    |
| 11-संपर्क [Contacts]                               |
| 12-प्रमाणपत्र नमुना [Sample Certificate]           |

# Arts, Science and commerce College Indapur

# **Department of History**

# Department of History

Date of Establishment: 1973

Names of Programmes / Courses offered: UG & PG in History Discipline

Number of Teaching posts: 04

#### VISION

"Envisioning a future where historical understanding informs civic engagement, cultural awareness, and global citizenship. Becoming a center for historical scholarship, preserving cultural heritage, and promoting inclusive narratives."

#### MISSION

"Exploring the past, shaping the future: cultivating historical understanding, critical thinking, and cultural awareness. Empowering students to excel in academics, research, and community engagement, fostering a culture of critical thinking, creativity, and social responsibility."

# Indapr Taluka Shikshan prasarak mandals Arts, Science and Commerce College Indapur dist. Pune Department of Physics Certificate Course in Basic Electronic Syllabus From Academic Year 2018-19

40L

# Course Objective

- To make Students learn concepts of Electronis.
- To provide sufficient fundamental knowledge to pursue advanced topic.

**Course outcome:** After successful completion of course, student will be able to analyse and design electronic circuit.

# Unit 1: Introduction to passive compoents

10L

Resistors- colour code, classification, series and parallel combination.

**Capacitor**- Classification, colour code, number code, series and parallel combination.

**Inductors**- Classification, colour code, series and parallel combination. Circuit based on RLC- contruction

# 2.Introduction to active Compoents

10L

Transistor- terminal identification, classification, circuit based on transistorconstruction

# 3. Electronic Devices

101

## **ITSPM'S**

# Arts, Science And Commerce College , Indapur Department Of Physics

# **Notice for Student**

Date-10/08/2019

All the Student who registered their names to 'Certificate Course in Basic Electronic' are hereby informed that their lectures will be started on Thursday ,23/08/2019 in Room No. 78 at 1 pm to 2 pm. It is compulsory to attend the lectures of value added course for getting desired credit.

**HOD** 

Head
Department of Physics
Arts,Science & Commerce
College,Indapur, Dist.Pune

COMMERCE COLLEGE INDAPUR-413106 DIST-PUNE

## **ITSPM'S**

# Arts, Science And Commerce College , Indapur Department Of Physics

# **Notice for Student**

Date-20/08/2019

All the Student who registered their names to 'Certificate Course in Basic Electronic' are hereby informed that their Practical's will be started on Saturday, 31/08/2019 in Room No.59 at 1 pm to 5 pm. It is compulsory to attend the Practical's of value added course for getting desired credit.

HOD

Head

Department of Physics Arts, Science & Commerce College, Indapur, Dist. Pune Principal

ARTS, SCIENCE AND COMMERCE COLLEGE INDAPUR-413106 DIST-PUNE

# Arts, science & Commerce College, Indapur

# Value added course (2019-20)

# Title - 'Yoga Education'

ITSPM's Arts, Science & Commerce College, Indapur is committed to create an environment where students feel empowered to improve upon their learning behavior for which mere academic inputs is not enough. Going beyond it, they are provided with the training that contributes in their capacity building by motivating them to train their inner self, through emotional management, Self-understanding and positive thinking. Yoga training can help students to strengthen their potentials.

Our Institution conducts a value added course in Yoga programme for students in view with making them conscious of the importance of physical and mental wellbeing.

# **Course Objective**

- Students can acquire knowledge and skills which will help them in developing Physical, Mental, Social and Spiritual health.
- Develop Values that will enhance the personality of the students.
- Develop Emotional Stability.

- test, the programme is designed or modified to make it mode need based for trainee students.
- ➤ The modified version of the Training package is then implemented. Theory lectures & practical demonstration on yoga will be conducted by Art of Living Faculty Mr. Viresh Holkunde in collaboration with our College Gymkhana Department.
- ➤ The content of the course include theory as well as practical demonstrations and practice of different types of pranayama and Yogasans.
- ➤ A Complete package of 40 hours training programme (Each session 2 hrs.) in a span of 3 months is designed in collaboration with the well-known ART OF LIVING Yoga Experts with the help of Volunteers.
- ➤ It includes understanding of the concept of Yoga, theoretical and scientific basis for the Yogasans and Pranayams.

These sessions will be conducted by the trained yoga teachers.

> Students will be awarded with the course completion certificate endorsed by Yoga Trainers & A.S. C. College, Indapur.

# ITSPM's

# Arts, Science And Commerce College, Indapur

# STUDENT NOTICE

(Certificate Course in YOGA EDUCATION)

Date- 21/08/2019

All the Students who have registered their names for 'Certificate Course in YOGA EDUCATION' are hereby informed that, their Yoga Sessions will begin on Thursday, 23/08/2019.

It is compulsory to attend the sessions of value added course for getting desired credit.

Venue: Room No. 67

Time: 5 to 7 pm

Course In-charge

(V.C. Holkunde)



Principal
PRINCIPAL
ARTS, SCIENCE AND
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INDAPUR-413106 DIST-PUNE

## ITSPM'S

# Arts, Science And Commerce College, Indapur

# **Department Of Physics**

# **Notice for Student**

Date-27/01/2020

All the Student who registered their names to 'Certificate Course in Electric & Electronic instruments' are hereby informed that their lectures will be started on Thursday, 06/02/2020 in Room No. 78 at 1 pm to 2 pm. It is compulsory to attain the lectures of value added course for getting desired credit.

HOD

Head

Department of Physics Arts, Science & Commerce College, Indapur, Dist. Pune Principal
PRINCIPAL
ARTS, SCIENCE AND
COMMERCE COLLEGE
INDAPUR-413108 DIST. FUNE

# ITSPM'S

# Arts, Science And Commerce College, Indapur

# **Department Of Physics**

# **Notice for Student**

Date- 27/01/2020

All the Student who registered their names to 'Certificate Course in Electric & Electronic instruments' are hereby informed that their <u>Practical's</u> will be started on Saturday, 08/02/2020 in Room No.59 at 1 pm to 5 pm. It is compulsory to attend the Practical's of value added course for getting desired credit.

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HOD

Head

Department of Physics Arts, Science & Commerce College, Indapur, Dist. Pune Principal
PRINCIPAL
ARTS, SCIENCE AND
COMMERCE COLLEGE
INDAPUR-413106 DIST-PUNE

receiver

# Indapr Taluka Shikshan Prasarak Mandals Arts, Science and Commerce College Indapur Dist. Pune Department of Physics Certificate Course in Electric and Electronic Instruments Syllabus From Academic Year 2019-20

# **Objectives of Certificate Course**

- 1. The student should know the Instruments
- 2. The student should know the applications of instruments

# **Certificate Course Outcomes**

- 1. Understand the concept of measurements
- 2. Know the different units
- 3. Classification of instruments
- 4. Applications of instruments
- 5. Use of instruments in day today life

# Module 1. Introduction:

10 L

Measurements, fundamental and derived units, standards and their classifications, International standards, Primary standards, Secondary standards, Working standards, Current standards, Voltage standards, Resistance standards, Capacitance standards, Time and frequency standards, Methods of measurements, Direct comparison methods, Indirect comparison methods.

# ARTS, SCIENCE AND COMMERCE COLLEGE INDAPUR, DIST-PUNE

# **STUDENTS NOTICE**

Date: 25/10 /2019

All the students of T.Y.B.Sc. those who have taken admission to the value added course "Milk sampling and its analysis" are hereby informed that, their regular theory and practicals will be conducted from 05 Nov.2019 to 14 Nov,2019. Attendance of all students is compulsory.

Dr. Bhosale R.R. (Course Incharge)

Head
Department Of Chemistry
Arts,Science & Commerce
College,Indapue,Dist.Pune

ARTS, SCIENCE AND COMMERCE COLLEGE INDAPUR-413106 DIST-PUNE



# ARTS, SCIENCE AND COMMERCE COLLEGE, INDAPUR DEPARTMENT OF CHEMISTRY

Value Added Course: Milk Sampling and Its Analysis (Course Credit: 04)

| Sr.No. | Name of the Topics   | Number of<br>Lectures |
|--------|--|-----------------------|
| 1      | Introduction   | 02                    |
| 2      | Common Dairy Processes   | 08                    |
| 3      | Milk proteins, Carbohydrates and Vitamins , Milk Products  | 10                    |
| 4      | Detection of Preservatives & Adulterants, Physicochemical parameters in Milk Sample (Practicals) | 20                    |

# Chapter I - Introduction

02

Definition, constituents of milk of different species such as cow, buffalo, goat,etc., Chemical composition of milk of Indian breed and foreign breeds of cow, factor affecting composition of milk, characteristics of milk of different mammals,

# **Chapter 2- Common Dairy Processes**

08

Physicochemical properties of milk, acidity, pH, density, specific gravity, color and flavor of milk, food and nutritive value of milk. Microbiology of milk, growth of microorganism, stages of growth, product of microbial growth, destruction of microorganisms growth. Cream separation- Basic principles, gravity creaming water dilution and centrifugal creaming method, construction of centrifugal separator, factors affecting percentage of fat, speed of machine, temp. of milk, rate of inflow amount of flushing water formation of separator slime Pasteurization of milk, flow sheet diagram, process receiving milk, preheating filtration, clarification, cooling and storage raw milk, standardization, pasteurization, homogenization, packing and storage, uses of milk.

# Chapter 3-Milk proteins, Carbohydrates and Vitamins

10

Milk proteins- importance of proteins found in the milk-casein, albumin and globulin, composition, nomenclature, properties and uses. ,Carbohydrates- importance of lactose,

# **SYLLABUS**

# Certificate course in Industrial Skills

#### (Lectures 40)

## **Objectives**

- 1. Develop and demonstrate depth and breadth of knowledge in chromatography
- 2. To Integrate and impart practical knowledge to the students and evaluate their potential
- 3. To teach different analytical techniques to the students
- 4. To enhance employability of the students by nurturing CV writing skill and interview preparation

#### Module 1: Spectroscopic techniques (Lectures 6)

Spectral analysis using IR, UV, H1NMR, CMR and GCMS.

#### Module 2: Chromatographic techniques (Lectures 3):

Different chromatographic techniques include, TLC, Column chromatography, Paper chromatography, HPLC, GC, Ion exchange chromatography etc.

#### Module 3: Solvent extraction and Volumetric analysis (Lectures 3):

Extraction of samples 1) solid in liquid mixtures and 2) liquid in liquid mixtures

#### Module 4: Other Techniques (Lectures 3):

To teach Simple distillation, Fractional distillation, Crystallization, Sublimation

#### Module 5 Practical's (25 L):

- 1. Identifications of functional groups of the compounds by the TLC technique
- 2. Functional group conversion on micro scale and their purification
- 3. Determinations of structures of the synthesized compounds by using UV, IR, NMR techniques.
- 4. Nanomaterial Synthesis and Characterizations.
- Purification of Compounds by a) Colum chromatography b) Distillation c) Sublimation
   d) Recrystallization.

#### References:

- 1. Instrumental Methods of Chemical Analysis -B.K Sharma
- 2. Organic spectroscopy -Y.R Sharma

- 3. A Text book of Pharmaceutical Analysis -Kerrenth A. Connors
- 4. Vogel's Textbook of Qualitative Chemical Analysis -A.I. Vogel
- 5. Practical Pharmaceutical Chemistry -A.H. Beckett and J.B. Stenlake
- 6. Organic Chemistry -I. L. Finar
- 7. Organic spectroscopy -William Kemp
- 8. Basic tests for Pharmaceutical substances –WHO (1988)
- 9. Basic tests for Pharmaceutical substances –WHO (1991)
- 10. How to practice GMP's -P.P.Sharma4. The Drugs and Cosmetic Act 1940 -Vijay Malik

# Program Learning Outcomes of the Certificate course in Industrial Skills

- CO-1: To understand basic chromatographic techniques
- CO-2: To know hands on experience of spectral analysis
- CO-3: To understand solvent extraction and volumetric analysis techniques
- CO-4: To learn other techniques like distillation, sublimation and crystallization of solids
- CO-5 To understand basic reactions of functional group interconversion

Head
Department Of Chemistry
Arts, Science & Commerce
College, Managure, Dist. Pune

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INDAPUR-413106 DIST-PUNE

# ARTS, SCIENCE AND COMMERCE COLLEGE INDAPUR, DIST-PUNE

# **STUDENTS NOTICE**

Date: 15/12/2019

All the students of M.Sc Chemistry those who have taken admission to the value added course "Industrial Skill" are hereby informed that, their regular theory and practicals will be conducted from 01 Jan 2020 to 11 Jan 2020. Attendance of all students is compulsory.

Dr.Shinde M.P (Course Incharge)

Head
Department Of Chemistry
Arts, Science & Commerce
College, Indapue, Dist. Pune

ARTS, SCIENCE AND COMMERCE COLLEGE INDAPUR-413106 DIST-PUNE



# Indapr Taluka Shikshan Prasarak Mandals Arts, Science and Commerce College, Indapur Dist. Pune Department of Zoology Certificate Course in Bird Diversity Syllabus

From Academic Year 2019-20

- 1) Name of the Teacher Asst. Prof. Sonam Pushparaj Jamdade
- 2) No. of the Period required-30 hours
- 3) Number of Theory periods-12
- 4) Number of practical Period -18
- 5) Brief syllabus of the subject-
  - \*Definition of diversity, habit and habitats of birds
  - \*External morphology of bird.
  - \*Identification keys of Birds.
  - \*Identification of Birds.
  - \*How to observe birds, Equipment used to observe the bird.
  - \*Nesting of Birds.
  - \*Photography techniques used.

Outcome of Course-Indapur tashil has been enriched with wetland area at Bhigwan as diksal and at the bank of Ujani reservoir. The migration birds visit Indapur areas. These birds can be so that we can understand avian diversity

Summer

Dr. J. P. Sarivade
M.Sc., Ph.D., FZSI

Department of Zoology, Schince & Commerce College, Labour Dier, Pune val 3100 PRINCIPAL PRINCIPAL ARTS, SCIENCE AND COMMERCE COLLEGE INDAPURATS 100 DIST. PUNI INDAPURATS 100 DIST. PUNI

## Arts, Science and Commerce College, Indapur Department Of Zoology

#### **Notice**

Date-11/08/2019

All the Student who registered their names to 'Certificate Course in Bird Diversity' are hereby informed that their lectures will be started on Thursday, 24/08/2019 in Room No. 78 at 1 pm to 2.30 pm. It is compulsory to attend the lectures of value added course for getting desired credit.

Dr. J.Hob. arwade M.Sc., Ph.D., FZSI

Department of Zoology, Science & Commerce College, Hapur, Dist, Pune - 413106 5 Principal

PRINCIPAL
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COMMERCE COLLECE
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## Arts, Science And Commerce College, Indapur

#### **Department Of Zoology**

#### **Notice**

Date- 11/08/2019

All the Student who registered their names to 'Certificate Course in Bird Diversity' are hereby informed that their Practical's will be started on Saturday, 30/08/2019 in Room No.77 at 1 pm to 5 pm. It is compulsory to attend the Practical's of value added course for getting desired credit.

Dr. J. P. Sarwade

Department of Zoology, is, Science & Commerce Gollege, Indapur, Dist. Pune - 413106 Principal PRINCIPAL

ARTS SCIENCE AND NE COMMERCE COLLEGE INDAPUR-413106 DIST-PUNE

## Arts, Science And Commerce College, Indapur

#### **Department Of ZOOLOGY**

#### **Notice for Student**

Date-20/08/2019

All the Student who registered their names to 'Certificate Course in BLOOD GROUP ANALYSISare hereby informed that their Practical's will be started on Saturday, 31/08/2019 in Room No.76 at 1 pm to 5 pm. It is compulsory to attend the Practical's of value added course for getting desired credit.

Dr. J. P. Sarwade

Department of Zoology, Arts, Science & Commerce College

ARTS, SCIENCE AND COMMERCE COLLEGE MDAPUR-413106 DIST-PUNE

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## Arts, Science And Commerce College , Indapur Department Of ZOOLOGY

#### **Notice for Student**

Date-10/08/2019

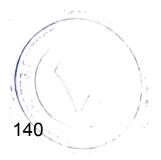
All the Student who registered their names to 'Certificate Course in BLOOD GROUP ANALYSIS are hereby informed that their lectures will be started on Thursday ,24/08/2019 in Room No. 76 at 1 pm to 2 pm. It is compulsory to attend the lectures of value added course for getting desired credit.

HOD

Dr. J. P. Sanvaco

Head
Department of Zoology,
Arts, Science & Commerce College,
Indapur, Dist. Pune - 413100

Principal
PRINCIPAL
ARTS, SCIENCE AND
COMMERCE COLLEGE
NDAPUR-413106 DIST-PUNE



#### Indapur Taluka Shikshan Prasarak Mandal's Arts, Science and Commerce College, Indapur Department Of Botany

## Certificate Course on Plant Propagation Techniques Academic Year (2019-2020)

#### **Student Notice**

All the Students of **S.Y.B.Sc**. are hereby noticed that our department started **certificate course on Plant Propagation Techniques** for academic year **2019 -20**. This course is open for all **S.Y.B.Sc**. students.

Above course will be started from 03/02/2020 upto 18/02/2020. Interested students fill registration form and submit to department before 01/02/2020. Contact to department for more details.

FRINCIPAL
ABTS, SCIENCE AND
COMMERCE COLLEGE
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CE & COMMERCE COLLEGE COLLEGE

(Prof. Mahadik B.B)

None Papariment of Botany Arts, Science & Commer College,Indapur (1944)

#### Art's, Science & Commerce College, Indapur

#### **Department Of Botany**

#### **Syllabus**

#### Plant Propagation Techniques (40 Lectures)

#### Objectives-

- 1. Enable the students to identify vegetative plant parts like root, Stem, leaves or modified parts used for Propagation.
- 2. Provide hands on training for plant propagation method like Cutting, Grafting, Budding & Layering.
- 3. To give information about commercial importance of propagation methods used for horticultural crops.
- 4. To give laboratory experience, being able to perform plant propagation methods on a plant.
- 5. To learn the prospect & scope of Plant Propagation techniques in small scale industry.
- 6. Help the students to learn a means of self-employment and income generation.

#### Credit I

#### Unit -1: Basic concepts of propagation

(3 Lectures)

1.Propagation: Definition, need and potentialities for plant multiplication; 2. Propagation facilities: Mist chamber, humidifiers, greenhouses, glasshouses, cold frames, hot beds, polyhouses, 3. Identification and propagation by division and separation: Bulbs, pseudo bulbs, corms, tubers and rhizomes; runners, stolon, suckers and offsets.

#### Unit -3: Propagation by cuttings

(4 Lectures)

1.Cuttings: Definition, different methods of cuttings; root and leaf cuttings. 2. Stem cuttings: Definition of stem tip and section cuttings; plant propagation by herbaceous, soft wood, semi hard wood, hard wood and coniferous stem cuttings. 3.factors influencing rooting of cuttings; Use of plant growth regulators in rooting of cuttings.

Unit -4: Propagation by layering

(4 Lectures)

## ARTS, SCIENCE AND COMMERCE COLLEGE INDAPUR, DIST-PUNE

#### **STUDENTS NOTICE 2019-20**

Date: 04/01/2020

All the students of T.Y.B.Sc. those who have taken admission to the add-on course "Wine Production From Pomegranate By Yeast (Saccharomyces cerevisiae" are hereby informed that, their regular theory and practicals will be conducted from 06\01\2020 to 18\01\2020 Attendance of all students is compulsory.

(Course Incharge)

Principal

ARTS, SCIENCE AND COMMERCE COLLEGE INDAPUR-413106 DIST-PUNE



- 5) Checking parameter of wine
- 6)Colorimetric analysis
- 7) Statistical analysis (ANOVA TEST)
- 8) Checking of Temperature
- 9)Test for percentage of alcohol
- 10)Refractive index

#### **Learning Objectives:**

The students are expected to study

- 1. Knowing importance of the subject from the point of rural economy.
- 2. Knowing the composition of wine & nutritive value.
- 3. Understanding the Microbiology of the wine.
- 4. Understanding fermentation processes and various nutrients-role for the human body.
- 5. Knowing various composition, manufacture and uses wine .

#### **References:**

[1] Charushila V. Dhamne, Varsha A. Nikam, Kalyni H. Pagar, Sarita U. Mahajani, Sharddha S.Kulkarni, Sinhgde college of engineering, department of Biotecnology, pune.

[2]Pazhani Saranraj, Pannerselvam Sivasakthivelan Murugadoss Naveen, Fermentation of fruit Wine and its Quality analysis, Department of Microbiology, sacred Heart college, Tirupattur, Tamil Nadu, India. Department Agricultural Microbiology, Annamalai university, Annamalai Nagar, Tamil Nadu, India.

[3] Sevda S. B and Rodrigues L, Department of Food Engineering And Fermentation technology, University Institute of Chemical technology, Matunga, The making of Pomegranate wine using yeast immobilised on sodium alginate.

[4]Aakriti Guleria , Abhilashi Institute of Life Science ,Deprtment of Microbiology, Manali-175008, Himachal Pradesh ,India.

Course Incharge

Principal

ARTS, SCIENCE AND COMMERCE COLLEGE INDAPUR-413106 DIST-PUNE

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#### ITSPM's

#### Arts, Science and Commerce College, Indapur

#### **Department of Statistics**

#### Value added course

2019-20

#### **Course Title: R-Programming**

2- Credit

#### **Course Objectives**

1. Acquire knowledge in essential programming skills in R.

2. Visualize a given data, perform descriptive analysis and carry out a project using R Programming.

#### **Course Outcomes**

After successful completion of the course, a student will be able to perform the following using R Programming

CO1: Demonstrate basic programming skills in R

CO2: Describe and illustrate the data

**CO3:** Design and carryout a project with statistical analysis using R Programming and present the report.

#### **SYLLABUS**

#### UNIT - I

Introduction to R: - Overview, Environment Setup, Basic Syntax, Data types.

R Basics: - Variables, Operators, Decision Making, Loops, Functions, Strings, Vectors, Lists, Matrices, Arrays, Factors, Data Frames, Packages.

#### UNIT - II

Data visualisation: – Pie Charts, Bar Charts, Area Charts, Bubble Charts, Surface charts, , Waterfall charts, Box Plots, Violin plots, Histograms, Line Graphs, Scatter plots, Matrix plots.

Statistical Analysis in R: – Descriptive statistics: measures of central tendency, measures of dispersion, partition values, moments, skewness and kurtosis, Regression.

Department Of Statistics
Arts, Science & Commerce College
Indapur(Pune)

PRINCIPAL

ARTS, SCIENCE AND

COMMERCE CULLEGE
INDAPUR 413106 DIST. PUNE

#### ITSPM's

#### Arts, Science And Commerce College, Indapur

#### **Department of Statistics**

#### **Notice for Student**

Date-7/01/2020

All the Student who registered their names to 'Value added Course in R Programming' are hereby informed that their lectures and practicals will be started on Monday, 13/01/2020 in Room No. 66 at 12 pm to 1 pm. It is compulsory to attain the lectures of value added course for getting desired credit.

Department Of Statistics
Arts, Science & Commerce College
Indapur(Pune)

Principal
PRINCIPAL
ARTS, SCIENCE AND
COMMERCE COLLEGE
INDAPUR-413106 DIST.PUNE

#### Arts, Science and Commerce College, Indapur

#### **Department Of Commerce**

S.Y. B.com

#### **Notice for Student**

Date-06/12/2019

All the Student who has registered their names for 'Certificate Course in 'MS- Office' are hereby informed that their lectures will be started on Wednesday 14/12/2019 in Room No. 48 at 11 pm to 2 pm. It is compulsory to attend the lectures of certificate course for getting desired credit.

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Department Of Commerce

Arts, Science and Commerce College,
Ludapur, Dist. Pune-413106

Principal

## Arts, Science and Commerce College, Indapur

## **Department Of Commerce**

S.Y. B.com

## **Practical Notice for Student**

Date-14/04/2022

All the Student who has registered their names for 'Certificate Course in 'MS- Office' are hereby informed that their lectures will be started on Saturday 21/12/2019 in Room No. 48 at 11 pm to 1 pm. It is compulsory to attend the lectures of certificate course for getting desired credit.

Department of Commerce Arts. Science and Commerce College, undapur, Dist. Pune 413106

Principal

#### इंदापूर तालुका शिक्षण प्रसारक मंडळाचे

#### कला, विज्ञान आणि वाणिज्य महाविद्यालय इंदापूर जिल्हा पुणे

#### भूगोल विभाग

विद्यार्थ्यांसाठी सूचना

दिनांक.२१/०१/२०२०

महाविद्यालयातील भूगोल विभागातील विद्यार्थ्यांना कळविण्यात येते की भूगोल विभागाने शैक्षणिक वर्ष 2019-20 मध्ये भौगोलिक माहिती प्रणाली या विषयावर चार क्रेडिटचा प्रमाणपत्र कोर्स आयोजित केलेला आहे दिनांक 03/02/2020 ते 13/02/2020 या कालावधीत आयोजित केलेला आहे. हा कोर्स भूगोल विभागातील विद्यार्थ्यांसाठी आवश्यक आहे तरी या कोर्ससाठी विद्यार्थ्यांनी विद्यार्थ्यांनी नाव नोंदणी करून वेळापत्रकानुसार शाहीर अमर शेख सभागृहात हजर राहावे. जे विद्यार्थीं हजर राहतील आणि या कोर्सची परीक्षा देतील त्याच विद्यार्थ्यांना गुण आणि प्रमाणपत्र दिले जाईल याची विद्यार्थ्यांनी नोंद घ्यावी.

प्रा. आत्माराम फलफले कोर्स समन्वयक प्रा. गजानन मेश्राम

Department of Occupraphy

Arts, Science and Commerce College,

Indapur, Dist-Pune- 413106

डॉ. संजय चाकणे

प्राचार्य

कला,विज्ञान आणि वाणिष्य महाविद्यालय,इंदापूर,जि.पुणे



#### Indapur Taluka Shikshan Prasarak Mandal's Arts, Science and Commerce College, Indapur, Dist. Pune

#### **Department of Geography**

#### Certificate Course on Geographic Information System (GIS)

(Academic Year 2019-20)

#### **Syllabus**

#### Objectives of certificate course

- 1. To acquaint the students with new concepts in GIS.
- 2. To familiarize the students with the wide application fields in Geography.

#### **Certificate Course Outcomes**

- 1. Understand the concept, advantages and importance of GIS.
- 2. Gain knowledge about the various projections.
- 3. Know about sources and types of data.
- 4. Develop ability of attribute linking in GIS for specific purposes in geographical and other areas.
- 5. Develop practical skills about geo-referencing, TIN spatial analysis and topographical analysis.
- 6. Know about application of query analysis techniques in GIS.

#### No. of Credits = 04

No. of Periods = 60

| SI. no. | Topic                               | Sub topic  | Learning points  | Periods |
|---------|-------------------------------------|--|--|---------|
| 1       | Introduction<br>to GIS              | Definition,<br>Components<br>and Functions<br>of GIS | <ol> <li>Definition of GIS</li> <li>Scope and importance of GIS</li> <li>History of GIS</li> <li>Components of GIS</li> <li>Function of GIS: GIS task - Input,<br/>Manipulation, Management,<br/>Query analysis, Visualization</li> </ol>                | 10      |
| 2       | Map<br>Projection                   | Definition and Classification of Projection          | Size and shape of the earth     Definition of Map Projection     Classification of Map Projection  | 10      |
| 3       | Sources and<br>types of GIS<br>Data | Sources and<br>Types, Data<br>Models                 | <ol> <li>Toposheet, Surveying, Aerial<br/>Photographs, Satellite data and<br/>images</li> <li>Data types - Spatial and Non-<br/>Spatial</li> <li>Raster data and their<br/>characteristics</li> <li>Vector data and their<br/>characteristics</li> </ol> | 10      |



### इंदापूर तालुका शिक्षण प्रसारक मंडळाचे

#### कला, विज्ञान आणि वाणिज्य महाविद्यालय, इंदापूर, जि . पुणे

#### विद्यार्थी सूचना

वरिष्ठ महाविद्यालयातील कला आणि विज्ञान शाखेतील Techniques of Surveying हा Certificate Course घेतलेल्या सर्व विद्यार्थ्यांना सूचित करण्यात येते की, भूगोल विभागाच्या वर्तीने सोमवार दि १४ डिमेंबर ते २४ डिमेंबर २०१९ या कालावधित रूम नं २३ या ठिकाणी सकाळी ११ ते दुपारी ३.१५ वाजेपर्यंत वेण्यात वेणार आहे . तरी सर्व विद्यार्थ्यांनी वेळत उपस्थित राहावे .

डॉ. गजानन ढोबळे कोर्स प्रमुख भूगोल विभाग



डॉ. सर्ज्याचिक्री केला विज्ञान आणि

केला,विज्ञान आणि वाणिज्य महाविद्यालय,इंदापूर,जि.पुणे

## IndapurTaluka ShikshanPrasarak Mandal's, Arts, Science and Commerce College, Indapur, Dist-Pune

#### Department of Geography

## Certificate Course on Techniques of Surveying (Academic Year 2019-20)

#### **Syllabus**

#### Objectives of certificate course

- 1. To acquaint the students with basic concepts in surveying.
- 2. To familiarize the students with the wide applications in various fields.

#### **Outcomes of Certificate Course**

- 1. Students will understand the basic fundamentals of maps and surveying i.e. Benchmarks, Spot heights, reduced levels, Interpolation, contouring, map elements etc.
- 2. Study and understand the techniques of surveying, using chain tape survey and plane table survey for practical, field work, research, and measurement and management of area
- 3. Study will understand the basic concepts and application of GPS, GIS, applications.

#### No. of Credits: 04

No. of Periods: 40

| Sr. No. | Name of the<br>Topic                    | Learning Points  | No. of Lectures/<br>Practical |
|---------|---|--|-------------------------------|
| 1       | Maps                                    | <ul> <li>a) Introduction to Maps</li> <li>b) Meaning and Definition</li> <li>c) Classification of Maps</li> <li>d) Elements of Maps</li> </ul>   | 05                            |
| 2       | Surveying .                             | <ul> <li>a) Introduction to Surveying</li> <li>b) Meaning and definition</li> <li>c) Classification</li> <li>d) Land Survey and types</li> <li>1. Topographical Survey</li> <li>2. Cadastral Survey</li> <li>3. City Survey</li> <li>e) Measurement of Area</li> </ul> | 10                            |
| 3       | Chain Tape<br>and Plane Table<br>Survey | <ul> <li>a) Simple Tape Survey</li> <li>1. Meaning and definition</li> <li>2. Methods</li> <li>b) Chain Survey</li> <li>1. Meaning and definition</li> <li>2. Methods</li> </ul>   | 15                            |

## Indapur Taluka Shikshan Parsark mandal's Art, Science and Commerce College, Indapur Department of Economics Certificate Course Digital Banking

Date: 01/12/2019

#### Notice

This is to inform to concern students who are participated add on course for certificate course in digital banking lecture will be start from 10 Dec to 31 December 2019. All concern students must attend lectures.

Head
Department of Economics
A.S.C.College,Indapur,
Dist.Pune.413106



## Indapur Taluka Shikshan Prasarak Mandal's Arts Science & Commerce College, Indapur Dist. Pune Department Of Economics Academic Year 2019-20 Syllabus of Add-on Course Certificate Course in Digital Banking

Total Credit: 04

Total No. of Lectures: 60

#### **Objectives:**

- To develop the working capability of students in banking sector
- To Make the Students aware of Banking Business and practices.
- To enlighten the students regarding the new concepts introduced in the banking system.

| Unit No. | Topic Name     | Sub Topic   | No. of Lectures |
|----------|----------------|---|-----------------|
|          | Origin,        | Meaning, Definition and Origin of 'Bank',<br>Evolution of Banking in Europe and Asia, | *               |
| 1.       | Meaning and    | Evolution of Banking in India, Structure of   |                 |
|          |                | Indian Banking System   |                 |
|          | definition of  |   | 15              |
|          | Bank           |   |                 |
| 2.       | Procedure for  | Procedure for Opening of Deposit Account:   |                 |
|          |                | Know Your Customer Norms, (KYC Norms),  |                 |
|          | Opening and    | Application Form, Introduction, and Proof of  |                 |
|          |                | Residence, Specimen Signature, and  |                 |
|          | operating an   | Nomination Facility: Their Importance. No   |                 |
|          |                | Frill Account   |                 |
|          | account        | Procedure for Operating Deposit Account:  | 15              |
|          |                | Pay-in-slip, Withdrawal slip, Issue of Pass   |                 |
|          |                | Book, (Current, Savings or Recurring  |                 |
|          |                | Deposit), Issue of Cheque Book, Issue of  |                 |
| -        |                | Fixed Deposit Receipt, Premature encashment   |                 |
|          |                | of a Fixed Deposit and Loan against Fixed   |                 |
|          |                | Deposit. Recurring Deposit: Premature   |                 |
|          |                | encashment and loan against Recurring   |                 |
|          |                | Deposit.  |                 |
| 3.       | Use of modern  | Role and Uses of Technology in Banking  |                 |
|          |                | Automated Teller Machine (ATM) – onsite   |                 |
|          | technology in  | and offsite ATM, Cash Deposit machine   |                 |
|          |                | (CDM), Cheque Deposit machine, Passbook   |                 |
|          | banking Sector | Printing Machine, Note and Coin counting  |                 |
|          |                | device, Fake currency detector, Credit card,  | 15              |

## इंदापूर तालुका शिक्षण प्रसारक मंडळाचे

## कला, विज्ञान, वाणिज्य महाविद्यालय इंदापूर. जि. पुणे

#### शैक्षणिक वर्ष 2019-20 प्राकारिता प्रकाश प्र कार्य लोकशाही मध्ये वृत्तपत्रांना अतिशय महत्त्व आहे.संसद ,प्रशासन आणि न्यायव्यवस्था

लोकशाही मध्ये वृत्तपत्रांना अतिशर्य महत्त्व आहे.संसद ,प्रशासन आणि न्यायव्यवस्था यांच्या इतकेच वृत्तसंस्थेलाही महत्त्व असते. जनिहताचे कायदे आणि लोककल्याणाचे धोरण आखणे यात संसदेचा पुढाकार असतो. राज्यघटनेच्या चौकटीत राहून संसदीय ध्येयधोरणांना मूर्त स्वरूप देण्याची जबाबदारी ही प्रशासन सेवेची असते. हे सर्व जरी खरे असले तरी प्रशासन व्यवस्थेमध्ये सुद्धा अनागोंदी कारभार असतो. या कारभारावरती कोणाचेतरी लक्ष असावे,घेतलेला निर्णय सर्वसामान्यांच्या पर्यंत जावा यासाठी पत्रकारिता अत्यंत महत्त्वाची असते. किंबहुना शासन, प्रशासन आणि सामान्य माणूस या दोघांना जोडण्याचं काम पत्रकार करीत असतात.महणून पत्रकारिता प्रमाण पत्र अभ्यासक्रमाचे नियोजन करून विद्यार्थी हित आणि रोजगारांच्या संधी निर्माण करून देणे असे या कार्यक्रमाचे स्वरूप आहे.

#### प्रमाणपत्र अभ्यासक्रमाची उद्दिष्टे

- 1) पत्रकारिता एक समाज माध्यम म्हणून ओळख करून देणे.
- 2) लोकशाहीचा चौथा आधारस्तंभ म्हणून महत्त्व विशद करणे.
- 3) व्यक्तिमत्व विकासामध्ये पत्रकारितेचे महत्त्व विशद करणे.
- 4) पत्रकारितेच्या क्षेत्रातून रोजगाराच्या संधी निर्माण करणे.

#### -पत्रकारिता प्रमाणपत्र अभ्यासक्रम-

- 1) पत्रकारिता अभ्यासक्रमाची ओळख.
- 2) पत्रकारितेचे महत्त्व विशद करणे.
- 3) माध्यमांचे स्वरूप आणि संज्ञापन साधन.
- 4) पत्रकारिता कार्य आणि जबाबदारी यांचा अभ्यास .

#### कला, विज्ञान एवं वाणिज्य महाविद्यालय, इंदापुर

ਰਿथ- 28/01/2020

#### सूचना

छात्रों को सूचित किया जाता है कि महाविद्यालय में हिंदी विभाग द्वारा 03 फरवरी 2020 के दिन कला, विज्ञान एवं वाणिज्य महाविद्यालय, में सावित्रीबाई फुले विश्वविद्यालय, पुणे पाठ्यक्रम के उपलक्ष्य में उर्दू लिपि प्रशिक्षण का आयोजन किया गया है। सभी छात्रों को सूचित किया जाता है कि यह कोर्स हिंदी विभाग में 03 फरवरी को सुबह 11 बजे शुरू हो रहा है। आप सभी उपस्थित रहे।

dishart

डॉ.एस.एन.पवार हिंदी विभाग प्रमुख कला विज्ञान आणि वाणज्य महाविद्यालय इंदापूर,जि.पुणे. ४१३१०६



#### कला, विज्ञान एवं वाणिज्य महाविद्यालय, इंदापुर

#### हिंदी विभाग

(शैक्षिक वर्ष - 2019-20)

#### अनुवाद प्रमाणपत्र पाठ्यक्रम (Certificate Course in Translation)

#### उद्देश्य :

- 1. अनुवाद के स्वरूप, प्रकार एवं महत्व को अवगत कराना।
- 2. छात्रों में अनुवाद कौशल विकसित कराना।
- 3. हिंदी-मराठी-अंग्रेजी भाषाओं के पारस्पारिक अनुवाद संबंधी मार्गदर्शन एवं अभ्यास कराना।
- 4. अनुवाद के व्यावहारिक पक्ष से छात्रों को अवगत कराना।

#### साध्य :

- 1. अनुवाद के स्वरूप, प्रकार एवं महत्व से छात्र अवगत हुए।
- 2. छात्रों में अनुवाद कौशल विकसित ह्आ।
- 3. हिंदी-मराठी- अंग्रेजी भाषाओं में अनुवाद कार्य संभव ह्आ ।
- 4. अनुवाद के व्यावहारिक पक्ष से छात्र परिचित हुए।



## कला, विज्ञान एवं वाणिज्य महाविद्यालय, इंदापुर

#### <u>हिंदी विभाग 2019-20</u>

#### स्चना

तिथि- 07/09/2019

सभी छात्रों को सूचित किया जाता है कि हिंदी विभाग द्वारा अनुवाद प्रमाण पत्र पाठ्यक्रम कोर्स दि.10 सितंबर 2019 से 3 अक्तुबर 2019 तक शुरू हो रहा है। यह कोर्स 10 सितंबर से रूम नं. 18 में सुबह 10.00 बजे से शुरू होगा।

प्रथम वर्ष के सभी छात्रों कि उपस्थिति अनिवार्य रहेंगी।

डॉ.एस.एन.पवार हिंदी विभाग प्रमुख कला विज्ञान आणि वाणिव्य महाविद्यालय इंबापुर्स्टिपुचे, सांगठह



#### Arts, Science and Commerce College, Indapur

#### **Department of English**

#### **Student Notice**

Date: 05/04/2020

All the Students are hereby informed that Value Added course is organized by the Department of English from <u>06/04/2020</u> from 11.00 A.M. to 2.00 P.M.

Students are requested to register and participate in the course.

For schedule and Time table see the notice board.

PRINCIPAL

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INDAPUR-413106 DIST-PUNE

**HOD** 

Department of English

Head

Department of English
Arts, Science and Commerce College
Indapur, Dist-Pune, 413106

#### Indapur Takuka Shikshan Prasarak Mandal's Arts, Science and Commerce College, Indapur Tal- Indapur, Dist.- Pune Department of English

Name of Course: Basics of English Grammar

Name of the Teacher: Prof. Vyawahare R.R.

Name of Assisting teacher: Prof. Bhosale D.K.

Number of periods required: 30

Time: Monday to Thursday 11.00 to 02.00

#### **Course Description**

English is the second language we learn after mastering our Mother tongue. There is structural difference between English and Marathi Language. In order to get fluency in English on need to know the basics of English Grammar. In order to avoid grammatical mistakes and impart correct meaningful sentences we must have basic knowledge of English Grammar.

This course will focus on the need based selective topics to minimize the grammatical mistakes. It will have the revision of basic topics and will concentrate on the practice of forming grammatical correct sentence.

#### **Outcome of Value Added Course:**

- Students will be able to create sentences with proper grammatical structure.
- Students will develop confidence to use English Language.
- It will help them to speak and write efficiently.
- It created interest among students to learn English Language and remove their fear of speaking in English.
- Motivate to practice and show interest to develop their Communication Skills in English Language.

## Indapur Taluka Shikshan Prasarak Mandal's ARTS, COMMERCE AND SCIENCE COLLEGE, INDAPUR

Tal. Indapur, Dist. Pune,



Department of History

CERTIFICATE COURSE IN MODI SCRPT : BROCHUR

Academic Year: 2019-20

Course Coordinator

Prof. Vidya Gaikwad

ARTS, COMMERCE AND SCIENCE COLLEGE, INDAPUR

Tal. Indapur, Dist. Pune,

Mobile No: 9850097840

Principal

Dr. Jeevan Saravade

Tal. Indapur, Dist. Pune.

दिनांक: 03/02/2020

#### विद्यार्थी सूचना

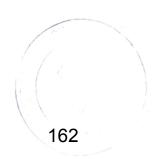
महाविद्यालयातील बी.ए. पदवीच्या वर्गातील विद्यार्थ्यांना सूचित करण्यात येते की, राज्यशास्त्र विभागाने शैक्षणिक वर्ष 2019-20 मध्ये 'राजकीय पत्रकारितेची ओळख' या विषयावर 2 क्रेडिटचा Value Added Course दिनांक 10/02/2020 ते 22/02/2020 या कालावधीत रूम नं. 27 मध्ये आयोजित केलेला आहे. हा कोर्स या विषयास प्रवेश घेतलेल्या विद्यार्थ्यांसाठी अनिवार्य (Compulsary) आहे. सदर कोर्सला अनुपस्थित राहिल्यास होणाऱ्या नुकसानीस सर्वस्वी विद्यार्थी जबाबदार राहील याची विद्यार्थांनी नोंद घ्यावी.

DR.DIGAMBAR BIRADAR HOD & Ph.D. RESEARCH GUIDE

DEPART. ENT OF POLITICAL SCIENCE,
ARTS, SCIENCE & COMMERCE, COLLEGE,

INDAPUR, TAL. INDAPUR DIST-PUNE

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COMMERCE COLLEGE
INDAPUR-413106 DIST-PUNE



#### Indapur Taluka Shikshan Prasarak Mandal's,

#### Arts, Science & Commerce College Indapur

#### **Department of Political Science**

## Value Added Course Name: "Introduction to Political Journalism"

**Syllabus** 

#### **Objectives:**

This Value Added course is designed to acquaint students with the -

- 1. Complex relationship between the communication, media and power politics.
- 2. To Introduce Print, Electronic and Web media.
- 3. Maharashtra context of political Journalism

#### Unit 1: An introduction to Political Journalism

- a) Definition and Meaning
- b) Scope of Political Journalism
- c) Value of Ideal Journalism

#### Unit 2: Agencies / Medium of Political Journalism

- a) Print Media
- b) Electronic Media
- c) Web Media

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PRINCIPAL
ARTS, SCIENCE AND
COMMERCE COLLEGE
INDAPUR-413106 DIST-PUNE

दिनांक: 10/12/2019

#### विद्यार्थी सूचना

महाविद्यालयातील बी.ए., बी.कॉम., बी.एस्सी.पदवीच्या वर्गातील विद्यार्थ्यांना सूचित करण्यात येते की, राज्यशास्त्र विभागाने शैक्षणिक वर्ष 2019-20 मध्ये ' आम्ही घडू देशासाठी 'या विषयावर 2 क्रेडिटचा Value Added Course दिनांक 14/12/2019 ते 24/12/2019 या कालावधीत आयोजित केलेला आहे. हा कोर्स या विषयास प्रवेश घेतलेल्या विद्यार्थ्यांसाठी अनिवार्य (Compulsary) आहे. सदर कोर्सला अनुपस्थित राहिल्यास होणाऱ्या नुकसानीस सर्वस्वी विद्यार्थी जबाबदार राहील याची विद्यार्थांनी नोंद घ्यावी.

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#### Indapur Taluka Shikshan Prasarak Mandal's Arts, Science and Commerce College Indapur Dist: Pune Department of BBA (CA)

#### Certificate in Computer Typing Basic Course English 30 w.p.m. (Academic Year 2019-20 to 2023-24) **Syllabus**

#### \* Objective:

- To provide typing skills.
- To introduce the student's shorthand typing.
- To merge Typing and latest Computer course so that student can work in highly competitive world.
- To design the course and exam in such way that student will get deep understanding on typing and latest computer software's and technology which has been using in government and private organization.

#### Course Outcomes

- Help the students improve their typing skills
- Help the students learn to take dictations and notes using short-hand.

#### \* Syllabus:

Basic course is designed to cover latest technology and software in the market which will help student to work in any environment.

The proposed course designed such that the basic subjects of computer are covered precisely. In the proposed course entire MS-OFFICE 2010 has covered in detail. This course has detail practical session which will increase the confidence of the student. The syllabus of this course as follows.

No. of Credits: 2

No. of Lecture/ Practical: 10

Basic Course in Computer Typing English 20 mm

| 1.0 Typing syllabus                                  | Duration | Marks    | Passing Marks    |  |
|--|----------|----------|------------------|--|
| 1.1 Keyboard Awareness Like Typewriter               |          |          | - Mosting Milita |  |
| 1.1.1 Practice of Typing Words Drill for 30 W.P.M.   |          | 07 Marks | -                |  |
| 1.1.2 Sentence Writing /Typing PracticeFor 30 W.P.M. | 5 Days   | 07 Marks | 10 Marks         |  |
| 1.1.3 Passage Typing Practice For 30 W.P.M. Speed    |          | 06 Marks |                  |  |
| Total (1.1.1+1.1.2+1.1.3)                            | -        | 20 Marks |                  |  |
| 1.2 Letter /Curriculum Vitae /StatementPage and      |          |          |                  |  |
| Type Setting & Practice                              | 4 Days   | 15 Marks |                  |  |
| 1.3 Statement / Mark Sheet Setting And Practice      |          | 10 Marks | 15 Marks         |  |
| 1.4 E-Mail/Fax Etiquettes                            | 1 Days   | 05 Marks |                  |  |
| Total (1.2+1.3+1.4)                                  | •        | 30 Marks |                  |  |
| Total  | 10 Days  | 50 Marks | 25 Marks         |  |

## Arts, Science And Commerce College, Indapur Department Of BBA(CA)

#### **Notice for Student**

Date-16/02/2020

All the Students of SYBBA(CA) & TYBBA(CA) who registered their names to 'Certificate in Computer Typing Basic Course English 30 w.p.m.' are hereby informed that their lectures will be started on 18/02/2020 in Room No. 87 at 1 pm to 2 pm & Preaticals started on 18/02/2020 in Room No.42(Computer Lab) at 02 pm to 03 pm. It is compulsory to attain the lectures of value added course for getting desired credit.

Add-on Incharge

Principal
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## Indapur Taluka Shikshan Prasarak Mandal's Arts, Science and Commerce College Indapur Dist: Pune Department of BBA (CA)

## Certificate in Microsoft Office Automation (Word, Excel, PowerPoint)

#### (Academic Year 2019-20 to 2023-24) Syllabus

#### \* Objective:

- This application provides all knowledge in MS-office that is useful in any
  organization and Institute.
- To design the course and exam in such way that student will get deep understanding on MS OFFICE and latest computer software's and technology which has been using in government and private organization

#### Course Outcomes

- This is commonly utilization in any business or organization and thus maintain the demand for professional level and provide font end office job with high paying.
- · Help the students improve their knowledge.
- · Help the students learn to take dictations and notes using short-hand

#### ❖ Course Contents-

- MS-Excel.
- o MS-Word.
- o MS- PowerPoint.
- o MS-Access Skill

#### Methodologies-

- Descriptive Method (Theory)
- Experimental (Practical)
- Evaluation:
- · Test on each Topic
- Practical Test
- · Final Exam

No. of Credits: 2

No. of Lecture/ Practical: 10

## Arts, Science And Commerce College, Indapur

#### **Department Of BBA(CA)**

#### **Notice for Student**

Date-20/01/2020

All the Students of FYBBA(CA) who registered their names to 'Certificate in Microsoft Office Automation (Word, Excel, PowerPoint)' are hereby informed that their lectures will be started on Wednesday, 05/02/2020 in Room No. 87 at 1 pm to 2 pm & Prcaticals started on 07/02/2020 in Room No.42(Computer Lab) at 02 pm to 03 pm. It is compulsory to attain the lectures of value added course for getting desired credit.

Add-on Incharge

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INDAPUR-413106 DIST-PUNE

दिनांक: 28/12/2018

#### विद्यार्थी सूचना

महाविद्यालयातील बी.ए. पदवीच्या वर्गातील विद्यार्थ्यांना सूचित करण्यात येते की, राज्यशास्त्र विभागाने शैक्षणिक वर्ष 2018-19 मध्ये 'राजकीय पत्रकारितेची ओळख' या विषयावर 2 क्रेडिटचा Value Added Course दिनांक 04/01/2019 ते 14/01/2019 या कालावधीत रूम नंबर 27 मध्ये आयोजित केलेला आहे. हा कोर्स या विषयास प्रवेश घेतलेल्या विद्यार्थ्यांसाठी अनिवार्य (Compulsary) आहे. सदर कोर्सला अनुपस्थित राहिल्यास होणाऱ्या नुकसानीस सर्वस्वी विद्यार्थी जबाबदार राहील याची विद्यार्थ्यांनी नोंद घ्यावी.

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पाचार्य

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#### Indapur Taluka Shikshan Prasarak Mandal's,

#### Arts, Science & Commerce College Indapur

#### **Department of Political Science**

## Value Added Course Name: "Introduction to Political Journalism" Syllabus

#### **Objectives:**

This Value Added course is designed to acquaint students with the -

- 1. Complex relationship between the communication, media and power politics.
- 2. To Introduce Print, Electronic and Web media.
- 3. Maharashtra context of political Journalism

#### Unit 1: An introduction to Political Journalism

- a) Definition and Meaning
- b) Scope of Political Journalism
- c) Value of Ideal Journalism

#### Unit 2: Agencies / Medium of Political Journalism

a) Print Media

- b) Electronic Media
- c) Web Media

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## Arts, Science And Commerce College , Indapur Department Of Physics

#### **Notice for Student**

Date-25/08/2018

All the Student who registered their names to 'Certificate Course in Basic Electronic' are hereby informed that their Practical's will be started on Saturday, 03/09/2018 in Room No.59 at 1 pm to 5 pm. It is compulsory to attend the Practical's of value added course for getting desired credit.

**HQD** 

Department of Physics Arts, Science & Commerce College, Indapur, Dist. Pune Principal PRINCIPAL ARTS, SCIENCE AND COMMERCE COLLEGE INDAPUR-413106 DIST-PUNE

#### **ITSPM'S**

## Arts, Science And Commerce College , Indapur Department Of Physics

#### **Notice for Student**

Date-25/08/2018

All the Student who registered their names to 'Certificate Course in Basic Electronic' are hereby informed that their lectures will be started on Thursday, 01/09/2018 in Room No. 78 at 1 pm to 2 pm. It is compulsory to attend the lectures of value added course for getting desired credit.

HOD

Head

Department of Physics Arts, Science & Commerce College, Indapur, Dist. Pune Principal

ARTS, SCIENCE AND COMMERCE COLLEGE INDAPUR-413106 DIST-PUNE

#### ITSPM"S

## Arts, Science And Commerce College , Indapur Department Of Physics Certificate Course in Basic Electronic 2018-2019

#### **Timetable**

| Time         | Thursday | Friday | Saturday  |
|--------------|----------|--------|-----------|
| 1 pm To 2 pm | Theory   | Theory |           |
| 1 pm To 5 Pm | •        | -      | Practical |

HOD

Head

Department of Physics Arts, Science & Commerce College, Indapur, Dist Pune Principal PRINCIPAL ARTS, SCIENCE AND COMMERCE CULLEGE INDAPUR-413106 DIST.PUNE

#### Arts, science & Commerce College, Indapur

#### Value added course (2018-19)

#### Title - 'Yoga Education'

ITSPM's Arts, Science & Commerce College, Indapur is committed to create an environment where students feel empowered to improve upon their learning behavior for which mere academic inputs is not enough. Going beyond it, they are provided with the training that contributes in their capacity building by motivating them to train their inner self, through emotional management, Self-understanding and positive thinking. Yoga training can help students to strengthen their potentials.

Our Institution conducts a value added course in Yoga programme for students in view with making them conscious of the importance of physical and mental wellbeing.

#### Course Objective

• Students can acquire knowledge and skills which will help them in developing Physical, Mental, Social and Spiritual health.

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- Develop Values that will enhance the personality of the students.
- Develop Emotional Stability.
- The Course enables the future development of the students in order to achieve Occupational Wellness.

Develop Fitness Conscious Environment in the Campus.

#### Program Outcomes

At the end of the course, the student will be able to:

POI Focus on goals and move away from negativity.

PO2 Explain dimensions of wellness which helps in pursuing their goals.

PO3 Demonstrate the practices that can promote wellness.

Plan and follow a daily routine that includes Warm-up, Yogasanas, be ble o:

Pranayam and Meditation.

PO5 Demonstrate behaviours aligned to universal Human Values.

- Before commencing with the yoga training, students will undergo pre-test where their knowledge or awareness about yoga is checked. On the basis of the outcomes of the pre-test, the programme is designed or modified to make it mode need based for trainee students.
- The modified version of the Training package is then implemented. Theory lectures & practical demonstration on yoga will be conducted by Art of Living Faculty Mr. Viresh Holkunde in collaboration with our College Gymkhana Department.

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- The content of the course include theory as well as practical demonstrations and practice of different types of pranayama and Yogasans.
- A Complete package of 40 hours training programme (Each session 2 hrs.) in a span of 3 months is designed in collaboration with the well-known ART OF LIVING Yoga Experts with the help of Volunteers.
- It includes understanding of the concept of Yoga, theoretical and scientific basis for the Yogasans and Pranayams.

  These sessions will be conducted by the trained yoga teachers.
- > Students will be awarded with the course completion certificate endorsed by Yoga Trainers & A.S. C. College, Indapur.

#### **SYLLABUS**

#### Value added course in 'Yoga Education'

| 1. Introduction to Yoga.                | 5 Hrs.  |
|---|---------|
| 2. Practical demonstration of Pranayama |         |
| 3. Practicing Pranayama                 | 10 Hrs. |
| 4. Practical demonstration of Asanas    | 5 Hrs.  |
| 5. Practicing Asanas                    | 10 Hrs. |
| 6. Meditation                           | 5 Hrs.  |

Total:

Course Teacher

40 Hrs.

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#### ITSPM's

Arts, Science And Commerce College, Indapur

#### STUDENT NOTICE

(Certificate Course in YOGA EDUCATION)

Date- 28/ 08/ 2018

All the Students who have registered their names for 'Certificate Course in YOGA EDUCATION' are hereby informed that, their Yoga Sessions will begin on Thursday, 02 /09 /2018

It is compulsory to attend the sessions of value added course for getting desired credit.

Venue: Room No. 66

Time: 5 to 7 pm

Course In-charge

Principal PRINCIPAL ARTS, SCIENCE AND COMMERCE COLLEGE INDAPUR-413106 DIST-PUNE

#### ITSPM'S

#### Arts, Science And Commerce College, Indapur

#### **Department Of Physics**

#### **Notice for Student**

Date-24/02/2019

All the Student who registered their names to 'Certificate Course in Electric & Electronic instruments' are hereby informed that their lectures will be started on Thursday, 02/03/2019 in Room No. 78 at 1 pm to 2 pm. It is compulsory to attend the lectures of value added course for getting desired credit.

HOD

Head

Department of Physics Arts, Science & Commerce College, Indapur, Dist. Pune Principal PRINCIPAL ARTS; SCIENCE AND COMMERCE COLLEGE INDAPUR-413106 DIST-PUNE



#### ITSPM'S

#### Arts, Science And Commerce College, Indapur

#### **Department Of Physics**

#### **Notice for Student**

Date-24/02/2019

All the Student who registered their names to 'Certificate Course in Electric & Electronic instruments' are hereby informed that their Practical's will be started on Saturday, 04/03/2019 in Room No.59 at 1 pm to 5 pm. It is compulsory to attend the <u>Practical's</u> of value added course for getting desired credit.

HOD

Head

Department of Physics Arts, Science & Commerce College, Indapur, Dist. Pune Principal
PRINCIPAL
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COMMERCE COLLEGE
INDAPUR-413106 DIST-PUNE

# Indapr Taluka Shikshan Prasarak Mandals Arts, Science and Commerce College Indapur Dist. Pune Department of Physics Certificate Course in Electric and Electronic Instruments Syllabus From Academic Year 2018-19

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#### Objectives of Certificate Course

- 1. The student should know the Instruments
- 2. The student should know the applications of instruments

#### **Certificate Course Outcomes**

- 1. Understand the concept of measurements
- 2. Know the different units
- 3. Classification of instruments
- 4. Applications of instruments
- 5. Use of instruments in day today life

#### Module 1. Introduction:

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Measurements, fundamental and derived units, standards and their classifications, International standards, Primary standards, Secondary standards, Working standards, Current standards, Voltage standards, Resistance standards, Capacitance standards, Time and frequency standards, Methods of measurements, Direct comparison methods, Indirect comparison methods.

#### Module 2. Classifications of Instruments:

10 L

Absolute and Secondary Instruments, Analog and Digital Instruments, Mechanical, Electrical and Electronics Instruments,

#### Module 3. Electrical Instruments:

10 L

Working Principle, Block Diagram, Applications of following instruments. Fan, Transformer, CRO, Refrigerator, Air Conditioner, Signal Generator.

#### Module 4. Electronic Instruments:

10 L

Working Principle, Block Diagram, Applications of following instruments. Radio, Mobile, Digital Watch, Digital Board.

#### References:

I Electrical And Electronic Measurements And Instrumentation, R. K Rajput, S Chand

2 Basic Electronics, by Therja, S. Chand

Head
Department of Physics
Arts, Science & Commerce

College, Indapur, Dist. Pune

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## Indapr Taluka Shikshan Prasarak Mandals

#### Arts, Science and Commerce College, Indapur

#### **Department of Physics**

#### **Notice for Student**

Date-01/01/2019

Dear Students,

Welcome back to Arts, Science and Commerce College, Indapur for the  $4^{th}$  semester of the academic year 2018-19. The classes for the Value-Added Courses (VAC) for  $4^{th}$  semesters will commence from January 16, 2019, onwards. The appropriate timetable for these classes will be uploaded in our college website soon.

Students who have not yet registered for the above said VAC classes are hereby informed to do so on or before January 05, 2019, WITHOUT FAIL.

Kindly note ATTENDANCE RECORDING will commence from the day of opening i.e., January 16, 2019, itself and hence it is mandatory for all students to attend the classes from January 16, 2019, onwards.

HOD

Head
Department of Physics
Arts, Science & Commerce
College, Indapur, Dist, Pune

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INDAPUR-413106 DIST-PUNE



## Indapr Taluka Shikshan Prasarak Mandals Arts, Science and Commerce College Indapur Dist. Pune Department of Physics Certificate Course in Research Methodology

#### Syllabus From Academic Year 2018-19

#### **Objectives**

- ✓ To discover answers to questions through the application of scientific procedures.
- ✓ To find out the truth, which is hidden, and which has not been discovered as yet.
- ✓ Exploratory or formulative research studies: To gain familiarity with a phenomenon or to achieve new insights into it.
- ✓ Descriptive research studies: To portray accurately the characteristics of a particular individual, situation or a group.
- ✓ Diagnostic research studies: To determine the frequency with which something occurs or with which it is associated with something else.
- ✓ Hypothesis-testing research studies: To test a hypothesis of a causal relationship between variables.

#### **♣** Program Learning Outcomes of the Research Methodology.

- [1] Recognizing the relevant field of knowledge and comprehending the nature of the topic to be studied.
- [2] Reading through the literature to learn about other people's approaches or solutions to the issue.
- [3] Gathering information in a planned and regulated way in order to make informed conclusions.
- [4] Examining data that is relevant to the issue.

## ARTS, SCIENCE AND COMMERCE COLLEGE INDAPUR, DIST-PUNE

#### STUDENTS NOTICE

Date: 24/10/2018

All the students of T.Y.B.Sc. those who have taken admission to the value added course "Milk sampling and its analysis" are hereby informed that, their regular theory and practicals will be conducted from 05 Nov.2019 to 14 Nov,2018. Attendance of all students is compulsory.

Dr. Bhosale R.R. (Course Incharge)

Head
Department Of Chemistry
Arts, Science & Commerce
College, Indapue, Dist. Pune

ARTS, SCIENCE AND COMMERCE COLLEGE INDAPUR-413106 DIST-PUNE



## ARTS, SCIENCE AND COMMERCE COLLEGE, INDAPUR DEPARTMENT OF CHEMISTRY

## Value Added Course: Milk Sampling and Its Analysis (Course Credit: 04)

| Sr.No. | Name of the Topics   | Number of<br>Lectures |
|--------|--|-----------------------|
| 1      | Introduction   | 02                    |
| 2      | Common Dairy Processes   | 08                    |
| 3      | Milk proteins, Carbohydrates and Vitamins , Milk Products  | 10                    |
| 4      | Detection of Preservatives & Adulterants, Physicochemical parameters in Milk Sample (Practicals) | 20                    |

#### Chapter I - Introduction

02

Definition, constituents of milk of different species such as cow, buffalo, goat,etc., Chemical composition of milk of Indian breed and foreign breeds of cow, factor affecting composition of milk, characteristics of milk of different mammals,

#### **Chapter 2- Common Dairy Processes**

**08** 

Physicochemical properties of milk, acidity, pH, density, specific gravity, color and flavor of milk, food and nutritive value of milk. Microbiology of milk, growth of microorganism, stages of growth, product of microbial growth, destruction of microorganisms growth. Cream separation- Basic principles, gravity creaming water dilution and centrifugal creaming method, construction of centrifugal separator, factors affecting percentage of fat, speed of machine, temp. of milk, rate of inflow amount of flushing water formation of separator slime Pasteurization of milk, flow sheet diagram, process receiving milk, preheating filtration, clarification, cooling and storage raw milk, standardization, pasteurization, homogenization, packing and storage, uses of milk.

#### Chapter 3-Milk proteins, Carbohydrates and Vitamins

10

Milk proteins- importance of proteins found in the milk-casein, albumin and globulin, composition, nomenclature, properties and uses. ,Carbohydrates- importance of lactose,

classification, properties, nutritive value of lactose use of lactose. ,Vitamins- importance, definition, properties nutritive value of vitamins, Vit-A, Vit-B, B2, B6, B12, Vit-C (Ascorbic acid) & Vitamin-D. ,Food and nutritive value of milk, milk & public health.

#### Chapter V- Practicals

20

Detection of Common preservatives and Adulterants in milk, Various modes of Adulteration and their detection such as skimming, addition of separated milk, skim milk, added water, Starch and cane sugar. Determination of physicochemical parameters in milk samples.

#### **Learning Objectives:**

The students are expected to study

- 1. Knowing importance of the subject from the point of rural economy.
- 2. Knowing the composition of milk, its food & nutritive value
- 3. Understanding the Microbiology of the milk
- 4.Understanding various preservation and adulterants, various milk proteins and their role for the human body.
- 5. Knowing various milk products, their composition, manufacture and uses.

#### References:

- 1: Qutline of Dairy Technology- Oxfored University press By- Sukumar De. (Edition-1983)
- 2: Dairy Chemistry and Animal Nutrition- M.M. Rai, Kalyani, Publishers, New Delhi 3rd Edition, 1980
- 3: Fundamentals of Dairy Chemistry- B.H. Webb, A.H. Hohsson, J.A. Alford, CBB Publishers and Distributors.
- 4: Milk and Milk Products- C.H. Eckles, H. Macy, Tata McGraw Hikk Publishing Company Ltd.
- 5: Chemistry and Testing of Dairy Products- H.V. Athertion, J.A. New Lander, CBS, Publishers and Distributors.

Dr. Bhosale R.R. (Course Incharge

Department Of Chemistry
Arts, Science & Commerce
College, Indapue, Dist. Pune

ARTS, SCIENCE AND COMMERCE COLLEGE INDAPUR-413106 DIST-PUNE

#### **SYLLABUS**

#### Certificate course in Industrial Skills

#### (Lectures 40)

#### **Objectives**

- 1. Develop and demonstrate depth and breadth of knowledge in chromatography
- 2. To Integrate and impart practical knowledge to the students and evaluate their potential
- 3. To teach different analytical techniques to the students
- 4. To enhance employability of the students by nurturing CV writing skill and interview preparation

#### Module 1: Spectroscopic techniques (Lectures 6)

Spectral analysis using IR, UV, H1NMR, CMR and GCMS.

#### Module 2: Chromatographic techniques (Lectures 3):

Different chromatographic techniques include, TLC, Column chromatography, Paper chromatography, HPLC, GC, Ion exchange chromatography etc.

#### Module 3: Solvent extraction and Volumetric analysis (Lectures 3):

Extraction of samples 1) solid in liquid mixtures and 2) liquid in liquid mixtures

#### Module 4: Other Techniques (Lectures 3):

To teach Simple distillation, Fractional distillation, Crystallization, Sublimation

#### Module 5] Practical's (25 L):

- 1. Identifications of functional groups of the compounds by the TLC technique
- 2. Functional group conversion on micro scale and their purification
- 3. Determinations of structures of the synthesized compounds by using UV, IR, NMR techniques.
- 4. Nanomaterial Synthesis and Characterizations.
- Purification of Compounds by a) Colum chromatography b) Distillation c) Sublimation
   d) Recrystallization.

#### References:

- 1. Instrumental Methods of Chemical Analysis -B.K Sharma
- 2. Organic spectroscopy -Y.R Sharma

- 3. A Text book of Pharmaceutical Analysis -Kerrenth A. Connors
- 4. Vogel's Textbook of Qualitative Chemical Analysis -A.I. Vogel
- 5. Practical Pharmaceutical Chemistry -A.H. Beckett and J.B. Stenlake
- 6. Organic Chemistry -I. L. Finar
- 7. Organic spectroscopy -William Kemp
- 8. Basic tests for Pharmaceutical substances -WHO (1988)
- 9. Basic tests for Pharmaceutical substances -WHO (1991)
- 10. How to practice GMP's -P.P.Sharma4. The Drugs and Cosmetic Act 1940 -Vijay Malik

#### Program Learning Outcomes of the Certificate course in Industrial Skills

- CO-1: To understand basic chromatographic techniques
- CO-2: To know hands on experience of spectral analysis
- CO-3: To understand solvent extraction and volumetric analysis techniques
- CO-4: To learn other techniques like distillation, sublimation and crystallization of solids
- CO-5 To understand basic reactions of functional group interconversion

Head
Department Of Chemistry
Arts, Science & Commerce
College, Indapue, Dist. Pune

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## ARTS, SCIENCE AND COMMERCE COLLEGE INDAPUR, DIST-PUNE

#### **STUDENTS NOTICE**

Date: 01/01/2019

All the students of M.Sc Chemistry those who have taken admission to the value added course "Industrial Skill" are hereby informed that, their regular theory and practicals will be conducted from 07 Jan 2019 to 18 Jan 2019. Attendance of all students is compulsory.

Dr.Shinde M.P (Course Incharge)

Head
Department Of Chemistry
Arts, Science & Commerce
College, Indapue, Dist. Pune

ARTS, SCIENCE AND COMMERCE COLLEGE INDAPUR-413106 DIST-PUNE



#### **ITSPM'S**

### Arts, Science and Commerce College, Indapur

#### **Department Of Zoology**

#### **Notice**

Date-25/08/2018

All the Student who registered their names to 'Certificate Course in Bird Diversity' are hereby informed that their Practical's will be started on Saturday, 03/09/2018 in Room No.78 at 1 pm to 5 pm. It is compulsory to attend the Practical's of value added course for getting desired credit.

HOD Dr. J. P. Sarwade M.Sc., Ph.D., FZSI

M.Sc.,Ph.D.,FZSI
Head
Department of Zoology,
Science & Commerce College,
Indapur, Dist. Pune - 413106

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#### **ITSPM'S**

#### Arts, Science and Commerce College, Indapur

#### **Department Of Zoology**

#### **Notice**

Date-25/08/2018

All the Student who registered their names to 'Certificate Course in Bird Diversity' are hereby informed that their lectures will be started on Thursday, 01/09/2018 in Room No. 78 at 1 pm to 2 pm. It is compulsory to attend the lectures of value added course for getting desired credit.

HOD

Dr. J. L. Carvade

M.Sc., Ph.D., FZST

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Expartment of Zoology,

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#### **Syllabus**

#### BLOOD GROUPING DETECTION & BLOOD SUGAR ANALYSIS/ URINE ANALYSIS

- 1] NAME OF THE TEACHER-Prof. More R.M.
- 2] NAME OF THE ASSISTING TEACGER-Prof.Sonam Jamdade
- 3] NO. OF PERIODS REQUIRED-30
- 4] NO. OF THEORY PERIODS-12
- 5] NO. OF PRACTICAL PERIODS-18
- 6]Brief syllabus of the subject-

This course is helpful to candidate to check out its own others people blood group & blood sugar level. This Programmer also help to candidate to know blood group and awareness about donating & accepting of blood.

7] Outcome of Course-

Co1- To Know technique blood group Detection.

Co2-To Know about blood sugar level & a glycemic condition in flu man.

Co3- To Know About diabetic & Normal, Urine.



#### **ITSPM'S**

## Arts, Science aqnd Commerce College , Indapur Department Of Zoology

#### <u>Notice</u>

Date-25/10/2018

All the Student who registered their names to 'Certificate Course in Bird Diversity' are hereby informed that their lectures will be started on Thursday,  $01/10/2018\,$  in Room No. 78 at 1 pm to 2 pm. It is compulsory to attend the lectures of value added course for getting desired credit.

Dr. J. P. Sarwade M.Sc., Ph.D., FZSI Head

Department of Zoology, Arts, Science & Commerce Collogo, Indapur, Dist. Pune - 413106 Principal
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COMMERCE COLLEGE
NDAPUR-413106 DIST-PUNE

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#### **ITSPM'S**

#### Arts, Science and Commerce College, Indapur

#### **Department Of Zoology**

#### **Notice**

Date-25/10/2018

All the Student who registered their names to 'Certificate Course in Bird Diversity' are hereby informed that their Practical's will be started on Saturday, 03/11/2018 in Room No.78 at 1 pm to 5 pm. It is compulsory to attend the Practical's of value added course for getting desired credit.

HOD

Dr. J. P. Satviaca M.Sc., Ph.D., FZSI

Head
Department of Zoology,
Arts, Science & Commerce College,
Indapur, Dist. Pune - 413106

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#### Indapur Taluka Shikshan Prasarak Mandal's Arts, Science and Commerce College, Indapur Department Of Botany

## Certificate Course on Plant Propagation Techniques Academic Year (2018-2019)

#### **Student Notice**

All the Students of S.Y.B.Sc. are hereby noticed that our department started certificate course on Plant Propagation Techniques for academic year 2018-19. This course is open for all S.Y.B.Sc. students.

Above course will be started from 04/02/2019 upto 18/02/2019. Interested students fill registration form and submit to department before 01/02/2019. Contact to department for more details.

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(Prof. Mahadik B.B)

Capariment of Botany Arts, Science & Commerce College,Image

## Art's, Science & Commerce College, Indapur

#### **Department Of Botany**

#### **Syllabus**

#### Plant Propagation Techniques (40 Lectures)

#### Objectives-

- 1. Enable the students to identify vegetative plant parts like root, Stem, leaves or modified parts used for Propagation.
- 2. Provide hands on training for plant propagation method like Cutting, Grafting, Budding & Layering.
- 3. To give information about commercial importance of propagation methods used for horticultural crops.
- 4. To give laboratory experience, being able to perform plant propagation methods on a plant.
- 5. To learn the prospect & scope of Plant Propagation techniques in small scale industry.
- 6. Help the students to learn a means of self-employment and income generation.

#### Credit I

#### Unit -1: Basic concepts of propagation

(3 Lectures)

1.Propagation: Definition, need and potentialities for plant multiplication; 2. Propagation facilities: Mist chamber, humidifiers, greenhouses, glasshouses, cold frames, hot beds, polyhouses, 3. Identification and propagation by division and separation: Bulbs, pseudo bulbs, corms, tubers and rhizomes; runners, stolon, suckers and offsets.

#### Unit -3: Propagation by cuttings

(4 Lectures)

1.Cuttings: Definition, different methods of cuttings; root and leaf cuttings. 2. Stem cuttings: Definition of stem tip and section cuttings; plant propagation by herbaceous, soft wood, semi hard wood, hard wood and coniferous stem cuttings. 3.factors influencing rooting of cuttings; Use of plant growth regulators in rooting of cuttings.

#### Unit -4: Propagation by layering

(4 Lectures)

## ARTS, SCIENCE AND COMMERCE COLLEGE INDAPUR, DIST-PUNE

#### **STUDENTS NOTICE 2018-19**

Date: 03 /01/2019

All the students of F.Y.B.Sc and T.Y.B.Sc. those who have taken admission to the add-on course "Wine Production From Pomegranate By Yeast (Saccharomyces cerevisiae)" are hereby informed that, their regular theory and practicals will be conducted from 05\01\2019 to18\01\19 Attendance of all students is compulsory.

(Course Incharge)

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- 5) Checking parameter of wine
- 6)Colorimetric analysis
- 7)Statistical analysis (ANOVA TEST)
- 8)Checking of Temperature
- 9)Test for percentage of alcohol
- 10)Refractive index

#### Learning Objectives:

The students are expected to study

- 1. Knowing importance of the subject from the point of rural economy.
- 2. Knowing the composition of wine & nutritive value.
- 3. Understanding the Microbiology of the wine.
- 4.Understanding fermentation processes and various nutrients-role for the human body.
- 5. Knowing various composition, manufacture and uses wine.

#### References:

C

[1] Charushila V. Dhamne, Varsha A. Nikam, Kalyni H. Pagar, Sarita U. Mahajani, Sharddha S.Kulkarni, Sinhgde college of engineering, department of Biotecnology, pune.

[2]Pazhani Saranraj , Pannerselvam Sivasakthivelan Murugadoss Naveen , Fermentation of fruit Wine and its Quality analysis , Department of Microbiology , sacred Heart college, Tirupattur, Tamil Nadu ,India. Department Agricultural Microbiology ,Annamalai university, Annamalai Nagar , Tamil Nadu , India .

[3] Sevda S. B and Rodrigues L, Department of Food Engineering And Fermentation technology, University Institute of Chemical technology, Matunga, The making of Pomegranate wine using yeast immobilised on sodium alginate.

[4]Aakriti Guleria , Abhilashi Institute of Life Science ,Deprtment of Microbiology, Manali-175008, Himachal Pradesh ,India.

Course Incharge

Principal

PRINCIPAL ARTS, SCIENCE AND COMMERCE COLLEGE INDAPUR-413106 DIST-PUNE

#### ITSPM's

#### Arts, Science and Commerce College, Indapur

#### **Department of Statistics**

#### Value added course

2018-19

#### Course Title: R-Programming

2- Credit

#### **Course Objectives**

1. Acquire knowledge in essential programming skills in Re

2. Visualize a given data, perform descriptive analysis and carry out a project using R Programming.

#### **Course Outcomes**

After successful completion of the course, a student will be able to perform the following using R Programming

CO1: Demonstrate basic programming skills in R

CO2: Describe and illustrate the data

**CO3:** Design and carryout a project with statistical analysis using R Programming and present the report.

#### **SYLLABUS**

#### UNIT - I

Introduction to R: - Overview, Environment Setup, Basic Syntax, Data types.

R Basics: – Variables, Operators, Decision Making, Loops, Functions, Strings, Vectors, Lists, Matrices, Arrays, Factors, Data Frames, Packages.

#### UNIT - II

Data visualisation: – Pie Charts, Bar Charts, Area Charts, Bubble Charts, Surface charts, , Waterfall charts, Box Plots, Violin plots, Histograms, Line Graphs, Scatter plots, Matrix plots.

Statistical Analysis in R: – Descriptive statistics: measures of central tendency, measures of dispersion, partition values, moments, skewness and kurtosis, Regression.

Department Of Statistics
Arts, Science & Commerce College
Indapur(Pune)

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#### ITSPM's

#### Arts, Science And Commerce College, Indapur

#### **Department of Statistics**

#### **Notice for Student**

Date-02/02/2019

All the Student who registered their names to 'Value added Course in R Programming' are hereby informed that their lectures and practicals will be started on Monday, 05/02/2019 to Saturday 16/02/2019 in Room No. 66 at 12 pm to 1 pm. It is compulsory to attain the lectures of value added course for getting desired credit.

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Department Of Statistics
Arts, Science & Commerce College
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#### NOTICE

#### ITSPM'S

#### Arts, Science & Commerce Colleg Indapur Add-on Course (33)

### Certificate Course In Computerized Accounting using Tally ERP-9

All Students are inform that the 'Computerized Accounting Certificate Coursed (Tally ERP-9)' Starts form **20-09-2018** To **30-09-2018** All F.Y.B.com & Add-on Course(33)taken Student should Practical Batch as follow attend the leacturs/seminar as per your batch shadule and Time table as follows

**Time Table** 

| Date        | Time           | Class Room | Batch  |
|-------------|----------------|------------|--------|
| 20-09 -2018 | 8:00 to 9:45   | 49         | 1 To 3 |
| Tuesday     | 8:00 to 9:45   | 50         | 4 To 6 |
| 20-09 -2018 | 10:00 to 12:00 | 49         | 1 To 3 |
| 20 03 -2010 | 10:00 to 12:00 | 50         | 4 To 6 |

Thery Lectures Time table

| Batch     | Time       |               | Roll No.    | LAB    |
|-----------|------------|---------------|-------------|--------|
| Batch I   | Monday     | 11:30 - 12:30 | 1501 - 1530 | YCMOU  |
| Duton     | 24-09-2018 | 12:30 - 01:30 | 1531 - 1560 | B.C.A. |
| Batch II  | Tuesday    | 11:30 - 12:30 | 1561 -1590  | YCMOU  |
|           | 25-09-2018 | 12:30 - 01:30 | 1591 - 1696 | B.C.A. |
| Batch III | Wendnesday | 11:30 - 12:30 | 1697 - 1726 | YCMOU  |
|           | 26-09-2018 | 12:30 - 01:30 | 1727 - 1756 | B.C.A. |
| Batch IV  | Thursday   | 11:30 - 12:30 | 1757 - 1786 | YCMOU  |
|           | 27-09-2018 | 12:30 - 01:30 | 1787 - 1966 | B.C.A. |
| Batch V   | Friday     | 11:30 - 12:30 | 1967 - 1996 | YCMOU  |
|           | 28-09-2018 | 12:30 - 01:30 | 1997 - 2026 | B.C.A. |
| Batch VI  | Saturday   | 11:30 - 12:30 | 2027 - 4363 | YCMOU  |
|           | 29-09-2018 | 12:30 - 01:30 | 9002 - 8443 | B.C.A. |



S.V.Umbardand Add-on Course Coordinater



#### Learning objectives of the course

- This course is designed to impart knowledge regarding concepts of Financial Accounting Tally is an accounting package which is used for learning to maintain accounts.
- 2. As this course is useful for Commerce students to get placements in different offices as well as companies in Accounts departments.
- 3. Recording Procedure in Accounting: What is a transaction, what is a Voucher, Recording of transactions in Book of Primary Entry (JOURNAL), posting of transactions into Ledger, Preparation of Trial Balance, and Introduction to Subsidiary Books of Accounting viz. Cash Book, Bank Book, Sales Book, and Purchase Book etc.?
- 4. Preparation of Final Accounts: Significance of Final Accounts, Classification of Assets: Fixed Assets, Current Assets, and Classification of Liabilities: Fixed Liabilities, Current Liabilities, and Introduction to terms like Revenue & Capital Incomes/Expenses, Direct/Indirect Incomes & Expenses, and Introduction to Trading Account/Manufacturing Account, Profit & Loss Account, and Balance Sheet.
- 5. This course helps students to work with well-known accounting software i.e. Tally ERP.9
- Student will learn to create company, enter accounting voucher entries
  including advance voucher entries, do reconcile bank statement, do accrual
  adjustments, and also print financial statements, etc. in Tally ERP.9 software.
- Accounting with Tally certificate course is not just theoretical program, but it
  also includes continuous practice, to make students ready with required skill
  for employability in the job market.



#### Result Details or Outcomes of Course

#### **Outcome from this course:**

- After successfully qualifying practical examination, students will be awarded certificate to work with well-known accounting software i.e. Tally ERP.9
- Student will do by their own create company, enter accounting voucher entries including advance voucher entries, do reconcile bank statement, do accrual adjustments, and also print financial statements, etc. in Tally ERP.9 software
- 3. Students do possess required skill and can also be employed as Tally data entry operator.



Arts, Science and Commerce College

#### ITSPM's

#### Arts, Science and Commerce College, Indapur

#### Add on Course Notice

"Marketing Skills"

Date: 11/10/2018

This is inform to all concern students who registered for an Add-on course of "Marketing Skills" (course No. 99) that the course will be conduct during 13<sup>th</sup> Oct 2018 to 19<sup>th</sup> Oct 2018. Attendance is compulsory.

Lecture Hall – Room No. 47 (Commerce Building)

Time - 11:00 am

Mrs. M.C. Kamble Sub. Teacher COMMERCINGO OF THE OF T

Pro. Unibardand S.V.

(Co-coordinator)

Commerce Faculty

In Science & Commerce College
Indapor (Pune: Pen-41318)

#### **Outcomes of Add- on Course**

#### **Marketing Skills**

Add- on Course on Marketing Skills was conducted in academic year 2017-18 for Arts, Science and Commerce faculty students. The main motto of the course was to introduce the Marketing subject except than commerce faculty students. The outcome of the course is in this course period student learn the Concept of Marketing, Marketing Skills, Advertisement and also the New Trends in Marketing and Advertisement. This course is useful for the development of communication skills of the students. The activities conducted during the course period will definitely boost the confidence level of the students.



#### ITSP`M

#### Arts Science & Commerce College, Indapur

#### Department Of Economics

Practical Knowledge of Banking Sector

11<sup>th</sup> October 2018

#### **Notice**

This is to inform to concern students who are participated in Add on course for **Practical Knowledge of Banking Sector (course no 96)**. Lectures will be start from 15<sup>st</sup> October 2018 to 24<sup>th</sup> October 2018.All concern Students must attend lectures.

Dr. Gajanan Kadam Co-ordinator, Add-on-Course



#### **Notice**

21September 2018

This is informing to all consider students who registered for add-on-course Introduction of GST (101). This course lectures star form 24<sup>th</sup> September 2018 to 1<sup>st</sup> October 2018 at commerce building Room no.47.

Considered students should be compulsory attend this course lectures.

NUMBER

Mr.Bhosale S.D

Subject Head

Mr.Umbardand S.V

Head of

Commerce Department

#### **Outcomes**

add-on-course
Introduction of GST (101)

#### Objectives:-

- 1) To introduce basic concept of GST.
- 2) To give practical knowledge about GST.
- 3) To give knowledge about Indian indirect taxation system & reforms of indirect taxation.

#### **Outcomes of this Course:-**

In this add-on-course 243 students participated. In the context of indirect taxation system drastic charged because of GST implementation. This course designed to give the knowledge about GST. How to work and run and administration of GST. Students learn from this course collection system of GST. Students also learn levy system of tax. What are the advantages of GST in the indirect Taxation system?

This course is successfully completed in design time table & schedule format .students got the knowledge about GST. Chartered Accountant Mr. Prashant Bhise give the practical information of GST.

we the

Charleree Accomplish

attion of GST

Mr.Bhosale S.D

Subject Head



#### ITSPM's

# Arts, Science and Commerce College, Indapur

#### Add on Course Notice

# Photoshop

This is to inform to concern students who are participated in add on course for "Photoshop".

Lectures will be starts from Monday 24<sup>th</sup> Sep to 29<sup>th</sup> Sep. 2018.

All Concern students must attend lectures.

Lecture Time 11.00 am at Department of Commerce Room no. 50

Contact to details- Prof. Pise S.G. 8888513051

0-

Sub. Teacher

Sub. Co-ordinator

Co-ordinator

## **Outcome of Add-on Course Photoshop**

Arts, Science and Commerce College, Indapur organized as well Under the guidance of the respected principal Dr. Sanjay Chakane, the Addon Course Photoshop was taken. A total of 155 students were present for this course. In this course was given to all information to students for the use of Photoshop software.

Students learn this about how to make a photo and how to make a better correction of photo. In this way, a lot of information about how to photograph a photographer and how the Photoshop software is used. Students Completed this course are very good at photography and Photoshop software is used very well.



#### ITSP'M

## Arts Science & Commerce College, Indapur

#### Department Of Economics

Banking & Finance System

13<sup>th</sup> October 2018

#### Notice

This is to inform to concern students who are participated in Add on course for **Banking** & Finance System (course no 95). Lectures will be start from 15<sup>st</sup> October 2018 to 20<sup>th</sup> October 2018.All concern Students must attend lectures.

Prof.Sagar Gujarathi Sub. Co-ordinator, Add-on-Course

Prof. Amol Thorat Co-ordinator, Add-on-Course



## इंदापूर ताल्का शिक्षण प्रसारक मंडळाचे

# कला विज्ञान आणि वाणिज्य महाविद्यालय इंदापूर जिल्हा पुणे

## भूगोल विभाग

विद्यार्थ्यांसाठी सूचना

दिनांक: 02/02/2019

महाविद्यालयातील भूगोल विभागातील विद्यार्थ्यांना कळविण्यात येते की भूगोल विभागाने शैक्षणिक वर्ष 2018-19 मध्ये भौगोलिक माहिती प्रणाली या विषयावर चार क्रेडिटचा प्रमाणपत्र कोर्स आयोजित केलेला आहे दिनांक 04/02/2019 ते 14/02/2019 या कालावधीत आयोजित केलेला आहे. हा कोर्स भूगोल विभागातील विद्यार्थ्यांसाठी आवश्यक आहे तरी या कोर्ससाठी विदयार्थ्यांनी विद्यार्थ्यांनी नाव नोंदणी करून वेळापत्रकानुसार शाहीर अमर शेख सभागृहात हजर राहावे. जे विद्यार्थी हजर राहतील आणि या कोर्सची परीक्षा देतील त्याच विद्यार्थ्यांना गुण आणि प्रमाणपत्र दिले जाईल याची विद्यार्थ्यांनी नोंद घ्यावी.

कोर्स समन्वयक

प्रा. भगवान बारवकर

Head

Department of Garaphy Arts, Science and Commerce College महाविद्यालय, इंदापूर, जि.पुणे

कला,विज्ञान आणि वाणिज्य



# Indapur Taluka Shikshan Prasarak Mandal's Arts, Science and Commerce College, Indapur, Dist. Pune

## **Department of Geography**

# Certificate Course on Geographic Information System (GIS)

(Academic Year 2018-19)

#### **Syllabus**

# Objectives of certificate course

- To acquaint the students with new concepts in GIS.
- 2. To familiarize the students with the wide application fields in Geography.

#### **Certificate Course Outcomes**

- 1. Understand the concept, advantages and importance of GIS.
- 2. Gain knowledge about the various projections.
- 3. Know about sources and types of data.
- 4. Develop ability of attribute linking in GIS for specific purposes in geographical and other areas.
- 5. Develop practical skills about geo-referencing, TIN spatial analysis and topographical analysis.
- 6. Know about application of query analysis techniques in GIS.

#### No. of Credits = 04

No. of Periods = 60

| SI. no. | Topic                               | Sub topic  | Learning points  | Periods |
|---------|-------------------------------------|--|--|---------|
| 1       | Introduction<br>to GIS              | Definition,<br>Components<br>and Functions<br>of GIS | <ol> <li>Definition of GIS</li> <li>Scope and importance of GIS</li> <li>History of GIS</li> <li>Components of GIS</li> <li>Function of GIS: GIS task - Input,<br/>Manipulation, Management,<br/>Query analysis, Visualization</li> </ol>                | 10      |
| 2       | Map<br>Projection                   | Definition and<br>Classification<br>of Projection    | <ol> <li>Size and shape of the earth</li> <li>Definition of Map Projection</li> <li>Classification of Map Projection</li> </ol>  | 10      |
| 3       | Sources and<br>types of GIS<br>Data | Sources and<br>Types, Data<br>Models                 | <ol> <li>Toposheet, Surveying, Aerial<br/>Photographs, Satellite data and<br/>images</li> <li>Data types - Spatial and Non-<br/>Spatial</li> <li>Raster data and their<br/>characteristics</li> <li>Vector data and their<br/>characteristics</li> </ol> | 10      |



## इंदापूर तालुका शिक्षण प्रसारक मंडळाचे

# कला, विज्ञान आणि वाणिज्य महाविद्यालय, इंदापूर, जि . पुणे

## विद्यार्थी सूचना

वरिष्ठ महाविद्यालयातील कला आणि विज्ञान शाखेतील Surveying and Introduction of SOI Toposheet हा Certificate Course घेतलेल्या सर्व विद्यार्थ्यांना सूचित करण्यात येते की, भूगोल विभागाच्या वतीने सोमवार दि . 03 डिसेंबर ते १3 डिसेंबर २०१८ या कालावधित रूम नं .२३ या ठिकाणी सकाळी ११ ते दुपारी ३.१५ वाजेपर्यृत घेण्यात येणार आहे. तरी ऋर्व विद्यार्थ्यानी वेळत उपस्थित राहावे.

डॉ . महंमद मुलाणी कोर्स प्रमुख

प्रा भगवान बारवकर

कला,विज्ञान आणि वाणिज्य महाविद्यालय,इंदापूर,जि.पुणे

Arts, Science and Commerce College.

Indapur. Dist-Pune-413408

#### IndapurTaluka ShikshanPrasarak Mandal's, Arts, Science and Commerce College, Indapur, Dist-Pune

#### **Department of Geography**

# Certificate Course on Surveying and Introduction of SOI Toposheet (Academic Year 2018-19)

#### **Syllabus**

#### Objectives of certificate course

- 1. To acquaint the students with basic concepts in surveying.
- 2. To familiarize the students with the wide applications in various fields.

#### **Outcomes of Certificate Course**

- 1. Students will understand the basic fundamentals of maps and surveying i.e. Benchmarks, Spot heights, reduced levels, Interpolation, contouring, map elements etc.
- 2. Study and understand the techniques of surveying, using chain tape survey and plane table survey for practical, field work, research, and measurement and management of area.
- 3. Study will understand the basic concepts and application of GPS, GIS, applications.

No. of Credits: 04

No. of Periods: 40

| Sr. No. | Name of the<br>Topic | Learning Points                            | No. of Lectures/<br>Practical |
|---------|----------------------|--|-------------------------------|
| 1       | Maps                 | a) Introduction to Maps                    |                               |
|         |                      | b) Meaning and Definition                  | 0.5                           |
|         |                      | c) Classification of Maps                  | 05                            |
|         | ,                    | d) Elements of Maps                        |                               |
| 2       | Surveying            | a) Introduction to Surveying               |                               |
|         |                      | b) Meaning and definition                  |                               |
|         |                      | c) Classification                          |                               |
|         |                      | d) Land Survey and types                   |                               |
|         |                      | 1. Topographical Survey                    | 10                            |
|         | 1                    | 2. Cadastral Survey                        |                               |
|         |                      | 3. City Survey                             |                               |
|         |                      | e) Measurement of Area                     |                               |
| 3       | Chain Tape           | a) Simple Tape Survey                      |                               |
|         | and Plane Table      | <ol> <li>Meaning and definition</li> </ol> |                               |
|         | Survey               | 2. Methods                                 |                               |
|         |                      | b) Chain Survey                            | 15                            |
|         |                      | 1. Meaning and definition                  |                               |
|         |                      | 2. Methods                                 |                               |

#### ITSP'M

# Arts Science & Commerce College, Indapur

## Department Of Economics

Agriculture Development Scheme

16<sup>th</sup> October 2018

#### **Notice**

This is to inform to concern students who are participated in Add on course for **Agriculture Development Scheme (course no 39)**. Lectures will be start from 20<sup>st</sup> October 2018 to 31<sup>th</sup> October 2018.All concern Students must attend lectures.

Department of Economics
A.S.C.College,Indapur,
Dist.Pune.413106

Prof. Sarade .A.S Co-ordinator, Add-on-Course

PRINCIPAL

ARTS, SCIENCE AND

COMMERCE COLLEGE
INDAPUR-413106 DIST-PUNE

# इंदापूर तालुका शिक्षण प्रसारक मंडळाचे

# कला, विज्ञान, वाणिज्य महाविद्यालय इंदापूर. जि. पुणे पत्रकारिना प्रामाणपत्र केलि शैक्षणिक वर्ष 2018-19

लोकशाही मध्ये वृत्तपत्रांना अतिशय महत्त्व आहे.संसद ,प्रशासन आणि न्यायव्यवस्था यांच्या इतकेच वृत्तसंस्थेलाही महत्त्व असते. जनिहताचे कायदे आणि लोककल्याणाचे धोरण आखणे यात संसदेचा पुढाकार असतो. राज्यघटनेच्या चौकटीत राहून संसदीय ध्येयधोरणांना मूर्त स्वरूप देण्याची जबाबदारी ही प्रशासन सेवेची असते. हे सर्व जरी खरे असले तरी प्रशासन व्यवस्थेमध्ये सुद्धा अनागोंदी कारभार असतो. या कारभारावरती कोणाचेतरी लक्ष असावे,घेतलेला निर्णय सर्वसामान्यांच्या पर्यंत जावा यासाठी पत्रकारिता अत्यंत महत्त्वाची असते. किंबहुना शासन, प्रशासन आणि सामान्य माणूस या दोघांना जोडण्याचं काम पत्रकार करीत असतात.महणून पत्रकारिता प्रमाण पत्र अभ्यासक्रमाचे नियोजन करून विद्यार्थी हित आणि रोजगार्यंच्या संधी निर्माण करून देणे असे या कार्यक्रमाचे स्वरूप आहे.

# प्रमाणपत्र अभ्यासक्रमाची उ**द्दि**ष्टे

- 1) पत्रकारिता एक समाज माध्यम म्हणून ओळख करून देणे.
- 2) लोकशाहीचा चौथा आधारस्तंभ म्हणून महत्त्व विशद करणे.
- 3) व्यक्तिमत्व विकासामध्ये पत्रकारितेचे महत्त्व विशद करणे.
- 4) पत्रकारितेच्या क्षेत्रातून रोजगाराच्या संधी निर्माण करणे.
- -पत्रकारिता प्रमाणपत्र अभ्यासक्रम-
- 1) पत्रकारिता अभ्यासक्रमाची ओळख.
- 2) पत्रकारितेचे महत्त्व विशद करणे.
- 3) माध्यमांचे स्वरूप आणि संज्ञापन साधन.



- 4) पत्रकारिता कार्य आणि जबाबदारी यांचा अभ्यास .
- 5) पत्रकारितेच्या क्षेत्रातील संपादक कार्य आणि कर्तृत्व.
- 6) बातमीची विविध क्षेत्रे.
- 7) शोध पत्रकारिता.

पत्रकारितेचे स्वरूप.

पत्रकारितेचे घटक.

पत्रकारितेचे उद्दिष्टे,

पत्रकारितेची वैशिष्ट्ये

08) संपादकीय धोरण व संपादन कार्य-

वृत्तपत्रांची सजावट,रिववार पुरवणी व तिचे संपादन, अग्रलेख लेखन स्वरूप व नमुने, पत्रकारिता जुनी व नवी ,अग्रलेख व्याख्या आणि वैशिष्ट्ये, स्वातंत्र्यपूर्व काळातील अग्रलेख स्वातंत्र्योत्तर अग्रलेख

09) भाषा व भाषांतर, वृत्तपत्रातील भाषिक जाणीव , वृत्तपत्रीय भाषा घटक, भाषांतर घटक,

लेखन विषयक नियम व मुद्रित शोधन ,व्यवस्थापकीय संपादन स्वरूप व पद्धती घटक, व्यवस्थापनाची मूलतत्त्वे वृत्तपत्रांचे अर्थशास्त्र , व्यवस्थापकीय संपादन व भूमिका, व्यवस्थापकीय संपादकाचा जनसंपर्क, बातमीची सर्वसाधारण क्षेत्रे , बातम्यांची विविध विषय, राजकारण आणि निवडणुका, गुन्हेगारी व न्यायालय, उपेक्षित वर्ग घटक, शोध बातमी, विज्ञान शिक्षण व सांस्कृतिक क्षेत्रे, विकास पत्रकारिता प्रयोजन व व्याप्ती, विज्ञान आणि पर्यावरण शिक्षण, साहित्य कला आणि संस्कृती.

प्रा. डॉ.राजाराम गावडे मराठी विभाग प्रमुख कला,विज्ञान आणि बाणिज्य महाविद्यालय,इंदापूर,जि. ५ग W WO APUR DIST PULLE

प्राचार्य कला,विज्ञान आणि दाणिज्य पहाजिल्पास हंग्यपुर,जि.पुणे

# कला, विज्ञान एवं वाणिज्य महाविद्यालय, इंदापुर

ਰਿथਿ- 19/01/2019

#### सूचना

छात्रों को सूचित किया जाता हैं कि महाविद्यालय में हिंदी विभाग द्वारा 23 जनवरी 2019 के दिन कला, विज्ञान एवं वाणिज्य महाविद्यालय, में उर्दू लिपि प्रिशिक्षण का आयोजन किया गया है। सभी छात्रों को सूचित किया जाता है कि यह कोर्स हिंदी विभाग में 03 फरवरी को सुबह 11 बजे शुरू हो रहा है। आप सभी उपस्थित रहे।

di Thuis

डॉ.एस.एन.पवार हिंदी दिशाग प्रमुख कता रिक्षण व्यक्ति अधिक महाहियालय इसपूर्यात्रुपी पुग्ने 413106



# कला, विज्ञान एवं वाणिज्य महाविद्यालय, इंदापुर

# <u>हिंदी विभाग 2018-19</u>

# सूचना

तिथि- 19/09/2018

सभी छात्रों को सूचित किया जाता है कि हिंदी विभाग द्वारा अनुवाद प्रमाण पत्र पाठ्यक्रम कोर्स दि. 22 सितंबर 2018 से 15 अक्तुबर 2018 तक शुरू हो रहा है। यह कोर्स 22 सितंबर से रूम नं. 18 में सुबह 10 बजे से शुरू होगा।

प्रथम वर्ष के सभी छात्रो कि उपस्थिति अनिवार्य रहेंगी।

डॉ.एस.एन.पवार हिंदी विमाग प्रमुख कला विज्ञान आणि वाणिज्य महाविद्यालय

इंपापूर, जि.पुणे. 413106



# Arts, Science and Commerce College, Indapur Tal- Indapur, Dist.- Pune

Date: 18-09-2018

## **Notice**

All the Students who has opted "Basic of English Grammar" as an Add on Course are informed that, their lectures will start from 24<sup>th</sup> September 2018. Time table of their lectures is displayed to the notice board of Department of English. Please attend the lectures as per the time table.

Prof. Patil A.M.

(HOD, Dept. of English)

Dept.of English

A,S & C College, indapur

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A.S.C.College, Indapur



# Outcome of Add on Course:

- Students were able to create sentences with proper grammatical structure.
- Students Developed confidence to come forward and speak in English Language.
- Its helped them to write formal / official letters
- It created interest among students to learn English Language and removed their fear of speaking in English.
- Students were motivated to practice and sowed more interest to develop their Communication Skills in English Language.

Overall, the course was fruitful to the students and will definitely help them to pursue their desire to learn the Language.

I, personally feel obliged to the management and the Principal for giving an opportunity to conduct this course.

Thank you.

Yours Faithfully

Prof. Rohan Vyawahare

ARTS, SCIENCE AND INDAPUR-413106 DIST-PUNIT

# Indapur Taluka Shikshan Prasarak Mandal's ARTS, COMMERCE AND SCIENCE COLLEGE, INDAPUR Tal. Indapur, Dist. Pune,



Department of History

CERTIFICATE COURSE IN MODI SCRPT: BROCHUR

Academic Year: 2018-19

Course Coordinator

Prof. Vidya Gaikwad

ARTS, COMMERCE AND SCHOOLE COLLEGE, INDAPUR

Tal. Indapur, Dist. Pune,

Mobile No: 9850097840

Dr. Jeevan Saravade

Tal. Indapur, Dist. Pune,